ISMP/Documentation Lab Reports Summary Sheet

Date Analytical Report Received	Lab Report Number
2/16/2023	180-151457-1
2/20/2023	180-151457-2
2/21/2023	180-151738-1
3/16/2023	180-152845-1
3/16/2023	180-152845-2
3/21/2023	180-153349-2
3/29/2023	180-153349-1
4/6/2023	180-154312-2
4/7/2023	180-154374-2
4/7/2023	180-154375-2
4/11/2023	180-154242-2
4/27/2023	180-155056-2
4/27/2023	180-155142-2
4/27/2023	180-154374-1
4/28/2023	180-154242-1
4/29/2023	180-154312-1
4/29/2023	180-154375-1
5/20/2023	180-155142-1
5/24/2023	180-155056-1
6/8/2023	180-157020-2
6/15/2023	180-157787-2
6/16/2023	180-157787-1
6/16/2023	180-157818-1
6/19/2023	180-157020-1
7/11/2023	180-158997-1
7/12/2023	180-158808-1
7/17/2023	180-159065-1
7/18/2023	180-158997-2
7/18/2023	180-159065-2
7/18/2023	180-159066-1
7/18/2023	180-159066-2
7/21/2023	180-159350-1
7/21/2023	180-159350-2
7/24/2023	180-159406-1
7/24/2023	180-159407-1
7/24/2023	180-159476-2
7/24/2023	180-159478-2
7/25/2023	180-159406-2
7/25/2023	180-159407-2
7/25/2023	180-159478-1
7/27/2023	180-159476-1
7/28/2023	180-159650-1
7/28/2023	180-159650-2

7/28/2023	180-159726-2
7/31/2023	180-159816-1
8/1/2023	180-159726-1
8/4/2023	180-159816-2
8/22/2023	180-160800-2
8/24/2023	180-160800-1
9/7/2023	180-161130-2
9/11/2023	180-161130-1
9/15/2023	180-161938-2
9/15/2023	180-162180-1
9/15/2023	180-162028-2
9/21/2023	180-161585-2
9/30/2023	180-161584-2
10/5/2023	180-162918-2
10/5/2023	180-162987-2
10/5/2023	180-162028-1
10/9/2023	180-161584-1
10/9/2023	180-161584-3
10/10/2023	180-161585-1
10/14/2023	180-162832-1
10/19/2023	180-162918-1
10/19/2023	180-162987-1
10/19/2023	180-163582-2
10/23/2023	180-163582-1
11/7/2023	180-164491-2
11/7/2023	180-164544-2
11/16/2023	180-164710-2
11/20/2023	180-164770-2
12/2/2023	180-164972-2
12/8/2023	180-165688-2
12/8/2023	180-165790-1
12/8/2023	180-165790-2
12/12/2023	180-165688-1
12/18/2023	180-164972-3

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-151457-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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Authorized for release by
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Job ID: 180-151457-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-151457-1

Comments
Due to FEDEX shipment delay, the cooler sent to the Sacramento laboratory was received on 2/6/23.

Receipt
The samples were received on 2/3 and 6/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3º C and 1.3º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for batch 180-425897 recovered below the control limits for the following analyte: 1,2-Dichloropropane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-425897 was below criteria for the following analytes: Chloromethane, Bromomethane, and Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-425897 was above criteria for the following analytes: 4-Methyl-2-pentanone, 2-Hexanone, Acetone, Tetrachloroethene, 1,2-Dibromo-3-Chloropropane, 2-Butanone, 1,1,2-Trichloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dibromoethane, 1,4-Dioxanetrans-1,3-Dichloropropene, Toluene, and Toluene-d8 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-TB-B1 (180-151457-1) had several recoveries below the control limits. They also had the recoveries of four surrogates below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits. The parent sample had all surrogate recoveries within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-425878 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, Di-n-octyl phthalate, and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-426212 was above criteria for the following analyte: Bis(2-ethylhexyl) phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

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

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-TB-B1 (180-151457-1) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

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

Job ID: 180-151457-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

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

Metals

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

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-151457-1	SSHS-IRM5A2-TB-B1	Solid	02/02/23 13:45	02/03/23 15:30
180-151457-2	SSHS-IRM5A2-TB-B2	Solid	02/02/23 13:50	02/03/23 15:30
180-151457-3	SSHS-IRM5A2-TB-B3	Solid	02/02/23 13:55	02/03/23 15:30
180-151457-4	SSHS-IRM5A2-DUP275	Solid	02/02/23 00:00	02/03/23 15:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-TB-B1
Lab Sample ID: 180-151457-1
Date Collected: 02/02/23 13:45
Matrix: Solid
Date Received: 02/03/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			425488	02/07/23 09:57	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-TB-B1
Lab Sample ID: 180-151457-1
Date Collected: 02/02/23 13:45
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0649 g	5 mL	425984	02/10/23 07:50	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	425897	02/10/23 18:01	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.20 g	5.0 mL	425742	02/09/23 08:02	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	425878	02/10/23 09:17	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	425363	02/06/23 11:36	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	425395	02/06/23 16:07	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	425396	02/06/23 16:09	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	425426	02/07/23 17:35	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.66 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			425873	02/09/23 14:55	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.66 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426078	02/10/23 11:50	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.94 g	100 mL	425450	02/07/23 07:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			425658	02/08/23 12:54	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2
Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			425488	02/07/23 09:57	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2
Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1198 g	5 mL	425984	02/10/23 07:50	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	425897	02/10/23 17:33	PJJ	EET PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2
Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.08 g	5.0 mL	425742	02/09/23 08:02	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	425878	02/10/23 10:22	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	425363	02/06/23 11:36	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	425395	02/06/23 16:07	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	425396	02/06/23 16:09	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	425426	02/07/23 17:54	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.59 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			425873	02/09/23 15:21	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.59 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426078	02/10/23 12:14	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.78 g	100 mL	425450	02/07/23 07:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			425658	02/08/23 12:55	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			425488	02/07/23 09:57	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0604 g	5 mL	425984	02/10/23 07:50	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	425897	02/10/23 17:06	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.28 g	5.0 mL	425742	02/09/23 08:02	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426212	02/14/23 16:44	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.5 g	20.0 mL	425363	02/06/23 11:36	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	425395	02/06/23 16:07	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	425396	02/06/23 16:09	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	425426	02/07/23 18:12	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.67 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			425873	02/09/23 15:26	RJG	EET PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.67 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426078	02/10/23 12:19	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			1.06 g	100 mL	425450	02/07/23 07:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			425658	02/08/23 12:56	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4
Date Collected: 02/02/23 00:00
Matrix: Solid
Date Received: 02/03/23 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			425488	02/07/23 09:57	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4
Date Collected: 02/02/23 00:00
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0064 g	5 mL	425984	02/10/23 07:50	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	425897	02/10/23 16:39	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.08 g	5.0 mL	425742	02/09/23 08:02	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	425878	02/10/23 11:05	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.5 g	20.0 mL	425363	02/06/23 11:36	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	425395	02/06/23 16:07	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	425396	02/06/23 16:09	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	425426	02/07/23 18:31	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.73 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			425873	02/09/23 15:42	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.73 g	50 mL	425393	02/06/23 14:53	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426078	02/10/23 12:35	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.72 g	100 mL	425450	02/07/23 07:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			425658	02/08/23 12:57	RJR	EET PIT
	Instrument ID: HGZ									

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

A1K = Aiza Kesodia

Batch Type: Prep

AAS = Arianna Swick
JBP = Jack Prothero
JSM = Joseph Moore
PJJ = Patrick Journet
RJR = Ron Rosenbaum

Batch Type: Analysis

BAB = Brooke Batyi
JMO = John Oravec
PJJ = Patrick Journet
RJG = Rob Good
RJR = Ron Rosenbaum
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-TB-B1
Lab Sample ID: 180-151457-1
Date Collected: 02/02/23 13:45
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Benzene	ND		5.5	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2-Dichloropropane	ND	*-	5.5	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Styrene	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Toluene	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1

Client Sample ID: SSHS-IRM5A2-TB-B1
Lab Sample ID: 180-151457-1
Date Collected: 02/02/23 13:45
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 89.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	02/10/23 07:50	02/10/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*02/10/23 07:50*	*02/10/23 18:01*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*02/10/23 07:50*	*02/10/23 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*02/10/23 07:50*	*02/10/23 18:01*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*02/10/23 07:50*	*02/10/23 18:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Acenaphthylene	ND		74	16	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Acetophenone	ND	F1	740	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Anthracene	ND		74	19	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Atrazine	ND		740	160	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Benzaldehyde	ND		740	45	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
1,1'-Biphenyl	ND	F1	360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Bis(2-chloroethoxy)methane	ND	F1	360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Bis(2-chloroethyl)ether	ND	F1	74	13	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Caprolactam	ND		1900	240	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Carbazole	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4-Chloroaniline	ND	F1	360	96	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4-Chloro-3-methylphenol	ND	F1	360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2-Chloronaphthalene	ND	F1	74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2-Chlorophenol	ND	F1	360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Chrysene	ND		74	41	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Dibenzofuran	ND	F1	360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,4-Dichlorophenol	ND	F1	74	28	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,4-Dimethylphenol	ND	F1	360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,4-Dinitrophenol	ND	F1	3600	2300	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1

Client Sample ID: SSHS-IRM5A2-TB-B1
Lab Sample ID: 180-151457-1
Date Collected: 02/02/23 13:45
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
1,4-Dioxane	ND	F1	740	110	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Fluoranthene	ND		74	19	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Fluorene	ND		74	14	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Hexachlorobutadiene	ND	F1	74	21	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Hexachloroethane	ND	F1	360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Indeno[1,2,3-cd]pyrene	ND		74	36	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Isophorone	ND	F1	360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2-Methylnaphthalene	ND	F1	74	18	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2-Methylphenol	ND	F1	360	100	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Methylphenol, 3 & 4	ND	F1	360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Naphthalene	ND	F1	74	14	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Nitrobenzene	ND	F1	740	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2-Nitrophenol	ND	F1	360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
N-Nitrosodi-n-propylamine	ND	F1	74	25	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,2'-oxybis[1-chloropropane]	ND	F1	74	27	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Phenanthrene	ND		74	20	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Phenol	ND	F1	360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
Pyrene	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*02/09/23 08:02*	*02/10/23 09:17*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*02/09/23 08:02*	*02/10/23 09:17*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*02/09/23 08:02*	*02/10/23 09:17*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*02/09/23 08:02*	*02/10/23 09:17*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*02/09/23 08:02*	*02/10/23 09:17*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*02/09/23 08:02*	*02/10/23 09:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1221	ND		18	6.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1232	ND		18	4.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1242	ND		18	2.7	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1248	**16**	**J**	18	4.4	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1254	ND		18	5.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1260	ND		18	5.2	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1

Client Sample ID: SSHS-IRM5A2-TB-B1
Lab Sample ID: 180-151457-1
Date Collected: 02/02/23 13:45
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1
PCB-1268	ND		18	2.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*02/06/23 11:36*	*02/07/23 17:35*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*02/06/23 11:36*	*02/07/23 17:35*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*02/06/23 11:36*	*02/07/23 17:35*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*02/06/23 11:36*	*02/07/23 17:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		17	4.2	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Antimony	ND	F2 F1	0.84	0.26	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Arsenic	**7.4**		0.84	0.53	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Barium	**57**	**F1**	17	3.0	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Beryllium	**0.31**	**J**	0.34	0.092	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Cadmium	ND		0.42	0.062	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Calcium	**46000**	**F2**	420	54	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Chromium	**8.4**		0.42	0.38	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Cobalt	**7.3**		4.2	0.59	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Copper	**15**		2.1	1.3	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Iron	**18000**		8.4	8.2	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Lead	**11**		0.84	0.73	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Magnesium	**2400**		420	46	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Manganese	**450**		1.3	0.23	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Nickel	**15**		3.4	0.42	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Potassium	**670**	**F2 F1**	420	72	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Selenium	ND	F1	0.84	0.39	mg/Kg	☼	02/06/23 14:53	02/10/23 11:50	1
Silver	ND	F1	0.42	0.088	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Sodium	**150**	**J F2 F1**	420	43	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Thallium	ND		1.7	0.24	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Vanadium	**10**		4.2	0.67	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1
Zinc	**46**	**B**	1.7	1.2	mg/Kg	☼	02/06/23 14:53	02/09/23 14:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.023	0.015	mg/Kg	☼	02/07/23 07:15	02/08/23 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.1**		0.1	0.1	%			02/07/23 09:57	1
Percent Solids (SM22 2540G)	**89.9**		0.1	0.1	%			02/07/23 09:57	1

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2
Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Benzene	ND		5.4	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2
Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.4	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2-Dichloropropane	ND	*-	5.4	1.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Styrene	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Toluene	ND		5.4	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2

Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*02/10/23 07:50*	*02/10/23 17:33*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*02/10/23 07:50*	*02/10/23 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*02/10/23 07:50*	*02/10/23 17:33*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*02/10/23 07:50*	*02/10/23 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**30**	**J**	74	21	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Acenaphthylene	**54**	**J**	74	16	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Acetophenone	ND		740	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Anthracene	**98**		74	19	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Atrazine	ND		740	160	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Benzaldehyde	ND		740	45	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Benzo[a]anthracene	**230**		74	33	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Benzo[a]pyrene	**190**		74	32	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Benzo[b]fluoranthene	**240**		74	18	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Benzo[g,h,i]perylene	**120**		74	16	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Benzo[k]fluoranthene	**91**		74	22	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Caprolactam	ND		1900	240	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Carbazole	**31**	**J**	74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Chrysene	**290**		74	41	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Dibenzofuran	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2
Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		740	110	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Fluoranthene	**330**		74	19	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Fluorene	**37**	**J**	74	14	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Hexachloroethane	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Indeno[1,2,3-cd]pyrene	**100**		74	36	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Isophorone	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2-Methylnaphthalene	**48**	**J**	74	18	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2-Methylphenol	ND		360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Naphthalene	**54**	**J**	74	14	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Nitrobenzene	ND		740	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Phenanthrene	**320**		74	20	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Phenol	ND		360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
Pyrene	**400**		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*02/09/23 08:02*	*02/10/23 10:22*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*02/09/23 08:02*	*02/10/23 10:22*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*02/09/23 08:02*	*02/10/23 10:22*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*02/09/23 08:02*	*02/10/23 10:22*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*02/09/23 08:02*	*02/10/23 10:22*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*02/09/23 08:02*	*02/10/23 10:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1221	ND		18	6.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1232	ND		18	4.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1242	ND		18	2.7	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1248	**2300**		18	4.4	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1254	**680**		18	5.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1260	**57**		18	5.2	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1262	ND		18	6.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1
PCB-1268	ND		18	2.5	ug/Kg	☼	02/06/23 11:36	02/07/23 17:54	1

Client Sample ID: SSHS-IRM5A2-TB-B2
Lab Sample ID: 180-151457-2

Date Collected: 02/02/23 13:50
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*02/06/23 11:36*	*02/07/23 17:54*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*02/06/23 11:36*	*02/07/23 17:54*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*02/06/23 11:36*	*02/07/23 17:54*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*02/06/23 11:36*	*02/07/23 17:54*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		19	4.7	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Antimony	ND		0.94	0.28	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Arsenic	**5.6**		0.94	0.59	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Barium	**59**		19	3.3	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Beryllium	**0.31**	**J**	0.37	0.10	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Cadmium	ND		0.47	0.069	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Calcium	**3000**		470	60	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Chromium	**10**		0.47	0.43	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Cobalt	**7.7**		4.7	0.66	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Copper	**17**		2.3	1.4	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Iron	**17000**		9.4	9.1	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Lead	**18**		0.94	0.82	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Magnesium	**2700**		470	51	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Manganese	**420**		1.4	0.26	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Nickel	**17**		3.7	0.47	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Potassium	**600**		470	80	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Selenium	ND		0.94	0.43	mg/Kg	☼	02/06/23 14:53	02/10/23 12:14	1
Silver	ND		0.47	0.097	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Sodium	ND		470	48	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Thallium	ND		1.9	0.27	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Vanadium	**9.8**		4.7	0.74	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1
Zinc	**49**	**B**	1.9	1.4	mg/Kg	☼	02/06/23 14:53	02/09/23 15:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.057**		0.028	0.018	mg/Kg	☼	02/07/23 07:15	02/08/23 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.4**		0.1	0.1	%			02/07/23 09:57	1
Percent Solids (SM22 2540G)	**90.6**		0.1	0.1	%			02/07/23 09:57	1

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3

Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Benzene	ND		5.6	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
2-Butanone (MEK)	ND		5.6	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Chloroform	ND		5.6	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2-Dichloropropane	ND	*-	5.6	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
2-Hexanone	ND		5.6	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Styrene	ND		5.6	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Toluene	ND		5.6	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2,3-Trichlorobenzene	ND		5.6	3.1	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	02/10/23 07:50	02/10/23 17:06	1

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3

Date Collected: 02/02/23 13:55
Matrix: Solid

Date Received: 02/03/23 15:30
Percent Solids: 88.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		60 - 124	02/10/23 07:50	02/10/23 17:06	1
Dibromofluoromethane (Surr)	88		69 - 126	02/10/23 07:50	02/10/23 17:06	1
1,2-Dichloroethane-d4 (Surr)	83		73 - 135	02/10/23 07:50	02/10/23 17:06	1
Toluene-d8 (Surr)	107		67 - 134	02/10/23 07:50	02/10/23 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Acenaphthylene	**18**	**J**	74	16	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Acetophenone	ND		740	130	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Anthracene	**38**	**J**	74	19	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Atrazine	ND		740	160	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Benzaldehyde	ND		740	46	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Benzo[a]anthracene	**49**	**J**	74	33	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Benzo[a]pyrene	**48**	**J**	74	32	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Benzo[b]fluoranthene	**53**	**J**	74	18	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Benzo[g,h,i]perylene	**35**	**J**	74	16	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Benzo[k]fluoranthene	**27**	**J**	74	22	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Caprolactam	ND		1900	240	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Carbazole	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Chrysene	**67**	**J**	74	41	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Dibenzofuran	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
3,3'-Dichlorobenzidine	ND		370	340	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Di-n-octyl phthalate	ND		370	210	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Fluoranthene	**86**		74	19	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Fluorene	ND		74	15	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Hexachloroethane	ND		370	130	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Isophorone	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2-Methylphenol	ND		370	110	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Naphthalene	ND		74	14	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Nitrobenzene	ND		740	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Phenanthrene	**61**	**J**	74	20	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Phenol	ND		370	110	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
Pyrene	**88**		74	18	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	02/09/23 08:02	02/14/23 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*02/09/23 08:02*	*02/14/23 16:44*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*02/09/23 08:02*	*02/14/23 16:44*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*02/09/23 08:02*	*02/14/23 16:44*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*02/09/23 08:02*	*02/14/23 16:44*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*02/09/23 08:02*	*02/14/23 16:44*	*1*
2,4,6-Tribromophenol (Surr)	*108*		*34 - 108*	*02/09/23 08:02*	*02/14/23 16:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1221	ND		18	6.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1232	ND		18	4.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1242	ND		18	2.7	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1248	**660**		18	4.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1254	**210**		18	5.5	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1260	**23**		18	5.2	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1262	ND		18	6.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1
PCB-1268	ND		18	2.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/06/23 11:36*	*02/07/23 18:12*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/06/23 11:36*	*02/07/23 18:12*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*02/06/23 11:36*	*02/07/23 18:12*	*1*

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	96		55 - 135	02/06/23 11:36	02/07/23 18:12	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		17	4.2	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Antimony	ND		0.84	0.26	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Arsenic	**6.8**		0.84	0.53	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Barium	**57**		17	3.0	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Beryllium	**0.30**	**J**	0.34	0.092	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Cadmium	ND		0.42	0.062	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Calcium	**4300**		420	54	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Chromium	**9.2**		0.42	0.38	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Cobalt	**7.6**		4.2	0.59	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Copper	**15**		2.1	1.3	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Iron	**18000**		8.4	8.2	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Lead	**12**		0.84	0.73	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Magnesium	**2400**		420	46	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Manganese	**400**		1.3	0.23	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Nickel	**16**		3.4	0.42	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Potassium	**530**		420	72	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Selenium	ND		0.84	0.39	mg/Kg	☼	02/06/23 14:53	02/10/23 12:19	1
Silver	ND		0.42	0.088	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Sodium	ND		420	43	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Thallium	ND		1.7	0.24	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Vanadium	**10**		4.2	0.67	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1
Zinc	**46**	**B**	1.7	1.2	mg/Kg	☼	02/06/23 14:53	02/09/23 15:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**		0.021	0.014	mg/Kg	☼	02/07/23 07:15	02/08/23 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.4**		0.1	0.1	%			02/07/23 09:57	1
Percent Solids (SM22 2540G)	**88.6**		0.1	0.1	%			02/07/23 09:57	1

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4
Date Collected: 02/02/23 00:00
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Benzene	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4
Date Collected: 02/02/23 00:00
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Dichlorodifluoromethane	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2-Dichloropropane	ND	*-	5.5	1.5	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Styrene	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Toluene	ND		5.5	1.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	02/10/23 07:50	02/10/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*60 - 124*	*02/10/23 07:50*	*02/10/23 16:39*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*02/10/23 07:50*	*02/10/23 16:39*	*1*

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4

Date Collected: 02/02/23 00:00
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*02/10/23 07:50*	*02/10/23 16:39*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/10/23 07:50*	*02/10/23 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Acenaphthylene	**68**	**J**	74	16	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Acetophenone	ND		740	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Anthracene	**52**	**J**	74	19	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Atrazine	ND		740	160	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Benzaldehyde	ND		740	46	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Benzo[a]anthracene	**150**		74	33	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Benzo[a]pyrene	**160**		74	32	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Benzo[b]fluoranthene	**250**		74	18	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Benzo[g,h,i]perylene	**130**		74	16	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Benzo[k]fluoranthene	**70**	**J**	74	22	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Caprolactam	ND		1900	240	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Carbazole	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Chrysene	**230**		74	41	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Dibenzofuran	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Fluoranthene	**180**		74	19	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Fluorene	ND		74	14	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4

Date Collected: 02/02/23 00:00
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Indeno[1,2,3-cd]pyrene	**98**		74	37	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Isophorone	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2-Methylnaphthalene	**36**	**J**	74	18	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2-Methylphenol	ND		360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Naphthalene	**53**	**J**	74	14	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Nitrobenzene	ND		740	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Phenanthrene	**110**		74	20	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Phenol	ND		360	110	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
Pyrene	**280**		74	17	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	02/09/23 08:02	02/10/23 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*02/09/23 08:02*	*02/10/23 11:05*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*02/09/23 08:02*	*02/10/23 11:05*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*02/09/23 08:02*	*02/10/23 11:05*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*02/09/23 08:02*	*02/10/23 11:05*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*02/09/23 08:02*	*02/10/23 11:05*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*02/09/23 08:02*	*02/10/23 11:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1221	ND		18	6.3	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1232	ND		18	4.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1242	ND		18	2.6	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1248	**2100**		18	4.3	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1254	**730**		18	5.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1260	**72**		18	5.1	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1262	ND		18	6.3	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1
PCB-1268	ND		18	2.4	ug/Kg	☼	02/06/23 11:36	02/07/23 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*02/06/23 11:36*	*02/07/23 18:31*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*02/06/23 11:36*	*02/07/23 18:31*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*02/06/23 11:36*	*02/07/23 18:31*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*02/06/23 11:36*	*02/07/23 18:31*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP275
Lab Sample ID: 180-151457-4

Date Collected: 02/02/23 00:00
Matrix: Solid

Date Received: 02/03/23 15:30
Percent Solids: 90.3

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6500		15	3.8	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Antimony	ND		0.76	0.23	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Arsenic	7.4		0.76	0.48	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Barium	86		15	2.7	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Beryllium	0.32		0.30	0.083	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Cadmium	0.071	J	0.38	0.056	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Calcium	6800		380	49	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Chromium	10		0.38	0.35	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Cobalt	6.9		3.8	0.53	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Copper	29		1.9	1.1	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Iron	17000		7.6	7.4	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Lead	41		0.76	0.66	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Magnesium	2000		380	42	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Manganese	510		1.1	0.21	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Nickel	18		3.0	0.38	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Potassium	550		380	65	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Selenium	ND		0.76	0.35	mg/Kg	☼	02/06/23 14:53	02/10/23 12:35	1
Silver	ND		0.38	0.079	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Sodium	41	J	380	39	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Thallium	ND		1.5	0.22	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Vanadium	10		3.8	0.60	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1
Zinc	60	B	1.5	1.1	mg/Kg	☼	02/06/23 14:53	02/09/23 15:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.030	0.020	mg/Kg	☼	02/07/23 07:15	02/08/23 12:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.7		0.1	0.1	%			02/07/23 09:57	1
Percent Solids (SM22 2540G)	90.3		0.1	0.1	%			02/07/23 09:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

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

Lab Sample ID: MB 180-425897/6
Matrix: Solid
Analysis Batch: 425897

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			02/10/23 11:53	1
Benzene	ND		5.0	1.4	ug/Kg			02/10/23 11:53	1
Bromoform	ND		5.0	2.5	ug/Kg			02/10/23 11:53	1
Bromomethane	ND		5.0	2.3	ug/Kg			02/10/23 11:53	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			02/10/23 11:53	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			02/10/23 11:53	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			02/10/23 11:53	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			02/10/23 11:53	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			02/10/23 11:53	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			02/10/23 11:53	1
Chloroethane	ND		5.0	2.9	ug/Kg			02/10/23 11:53	1
Chloroform	ND		5.0	1.6	ug/Kg			02/10/23 11:53	1
Chloromethane	ND		5.0	2.0	ug/Kg			02/10/23 11:53	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			02/10/23 11:53	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			02/10/23 11:53	1
Cyclohexane	ND		5.0	2.4	ug/Kg			02/10/23 11:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			02/10/23 11:53	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			02/10/23 11:53	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			02/10/23 11:53	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			02/10/23 11:53	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			02/10/23 11:53	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			02/10/23 11:53	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			02/10/23 11:53	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			02/10/23 11:53	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			02/10/23 11:53	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			02/10/23 11:53	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			02/10/23 11:53	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			02/10/23 11:53	1
1,4-Dioxane	ND		1000	35	ug/Kg			02/10/23 11:53	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			02/10/23 11:53	1
2-Hexanone	ND		5.0	1.6	ug/Kg			02/10/23 11:53	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			02/10/23 11:53	1
Methyl acetate	ND		25	7.4	ug/Kg			02/10/23 11:53	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			02/10/23 11:53	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			02/10/23 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			02/10/23 11:53	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			02/10/23 11:53	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			02/10/23 11:53	1
o-Xylene	ND		5.0	2.0	ug/Kg			02/10/23 11:53	1
Styrene	ND		5.0	1.5	ug/Kg			02/10/23 11:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			02/10/23 11:53	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			02/10/23 11:53	1
Toluene	ND		5.0	1.4	ug/Kg			02/10/23 11:53	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			02/10/23 11:53	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			02/10/23 11:53	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			02/10/23 11:53	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			02/10/23 11:53	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			02/10/23 11:53	1

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

Lab Sample ID: MB 180-425897/6
Matrix: Solid
Analysis Batch: 425897

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			02/10/23 11:53	1
Trichloroethene	ND		5.0	1.6	ug/Kg			02/10/23 11:53	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			02/10/23 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			02/10/23 11:53	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			02/10/23 11:53	1
Xylenes, Total	ND		10	7.2	ug/Kg			02/10/23 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*		*02/10/23 11:53*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*		*02/10/23 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*		*02/10/23 11:53*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*		*02/10/23 11:53*	*1*

Lab Sample ID: LCS 180-425897/4
Matrix: Solid
Analysis Batch: 425897

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	70.3		ug/Kg		141	23 - 170
Benzene	50.0	39.5		ug/Kg		79	77 - 120
Bromoform	50.0	41.5		ug/Kg		83	37 - 147
Bromomethane	50.0	29.9		ug/Kg		60	47 - 149
2-Butanone (MEK)	50.0	58.9		ug/Kg		118	39 - 157
Carbon disulfide	50.0	39.0		ug/Kg		78	40 - 156
Carbon tetrachloride	50.0	41.5		ug/Kg		83	73 - 130
Chlorobenzene	50.0	42.7		ug/Kg		85	79 - 122
Chlorobromomethane	50.0	40.4		ug/Kg		81	64 - 128
Chlorodibromomethane	50.0	40.1		ug/Kg		80	60 - 134
Chloroethane	50.0	37.5		ug/Kg		75	37 - 159
Chloroform	50.0	37.6		ug/Kg		75	73 - 126
Chloromethane	50.0	28.0		ug/Kg		56	46 - 151
cis-1,2-Dichloroethene	50.0	40.9		ug/Kg		82	77 - 118
cis-1,3-Dichloropropene	50.0	42.8		ug/Kg		86	73 - 127
Cyclohexane	50.0	39.7		ug/Kg		79	63 - 143
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/Kg		99	30 - 163
1,2-Dibromoethane	50.0	43.0		ug/Kg		86	59 - 137
1,2-Dichlorobenzene	50.0	44.0		ug/Kg		88	76 - 120
1,3-Dichlorobenzene	50.0	45.4		ug/Kg		91	77 - 121
1,4-Dichlorobenzene	50.0	44.2		ug/Kg		88	79 - 120
Dichlorobromomethane	50.0	39.1		ug/Kg		78	75 - 123
Dichlorodifluoromethane	50.0	33.2		ug/Kg		66	26 - 149
1,1-Dichloroethane	50.0	40.0		ug/Kg		80	73 - 124
1,2-Dichloroethane	50.0	39.9		ug/Kg		80	64 - 140
1,1-Dichloroethene	50.0	42.0		ug/Kg		84	55 - 136
1,2-Dichloroethene, Total	100	82.6		ug/Kg		83	77 - 119
1,2-Dichloropropane	50.0	37.2	*-	ug/Kg		74	77 - 119
1,4-Dioxane	1000	1280		ug/Kg		128	18 - 166
Ethylbenzene	50.0	43.4		ug/Kg		87	79 - 119

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

Lab Sample ID: LCS 180-425897/4
Matrix: Solid
Analysis Batch: 425897

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	50.0	53.6		ug/Kg		107	42 - 152
Isopropylbenzene	50.0	42.9		ug/Kg		86	70 - 125
Methyl acetate	100	80.8		ug/Kg		81	20 - 170
Methylcyclohexane	50.0	43.2		ug/Kg		86	70 - 125
Methylene Chloride	50.0	36.0		ug/Kg		72	67 - 131
4-Methyl-2-pentanone (MIBK)	50.0	43.7		ug/Kg		87	51 - 147
Methyl tert-butyl ether	50.0	39.2		ug/Kg		78	58 - 132
m-Xylene & p-Xylene	50.0	44.8		ug/Kg		90	77 - 120
o-Xylene	50.0	44.6		ug/Kg		89	78 - 118
Styrene	50.0	43.8		ug/Kg		88	80 - 120
1,1,2,2-Tetrachloroethane	50.0	40.3		ug/Kg		81	36 - 170
Tetrachloroethene	50.0	49.4		ug/Kg		99	71 - 121
Toluene	50.0	45.3		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	50.0	41.7		ug/Kg		83	75 - 122
trans-1,3-Dichloropropene	50.0	40.2		ug/Kg		80	68 - 133
1,2,3-Trichlorobenzene	50.0	39.8		ug/Kg		80	29 - 166
1,2,4-Trichlorobenzene	50.0	39.8		ug/Kg		80	22 - 170
1,1,1-Trichloroethane	50.0	41.6		ug/Kg		83	72 - 134
1,1,2-Trichloroethane	50.0	44.0		ug/Kg		88	66 - 128
Trichloroethene	50.0	41.0		ug/Kg		82	69 - 118
Trichlorofluoromethane	50.0	36.7		ug/Kg		73	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	38.8		ug/Kg		78	59 - 135
Vinyl chloride	50.0	32.8		ug/Kg		66	64 - 134
Xylenes, Total	100	89.4		ug/Kg		89	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*
Dibromofluoromethane (Surr)	*81*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

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

Lab Sample ID: MB 180-425742/1-A
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Acenaphthylene	ND		67	15	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Acetophenone	ND		670	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Anthracene	ND		67	17	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Atrazine	ND		670	150	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Benzaldehyde	ND		670	41	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Benzo[a]anthracene	ND		67	30	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Benzo[a]pyrene	ND		67	29	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		02/09/23 08:02	02/10/23 08:13	1

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

Lab Sample ID: MB 180-425742/1-A
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		67	20	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
1,1'-Biphenyl	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Caprolactam	ND		1700	220	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Carbazole	ND		67	16	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4-Chloroaniline	ND		330	88	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2-Chloronaphthalene	ND		67	15	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2-Chlorophenol	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Chrysene	ND		67	37	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Dibenzofuran	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Diethyl phthalate	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Dimethyl phthalate	ND		330	130	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
1,4-Dioxane	ND		670	100	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Fluoranthene	ND		67	18	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Fluorene	ND		67	13	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Hexachlorobenzene	ND		67	24	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Hexachlorobutadiene	ND		67	20	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Hexachloroethane	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Isophorone	ND		330	130	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2-Methylnaphthalene	ND		67	16	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2-Methylphenol	ND		330	96	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Naphthalene	ND		67	13	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2-Nitroaniline	ND		1700	150	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
3-Nitroaniline	ND		1700	85	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4-Nitroaniline	ND		1700	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Nitrobenzene	ND		670	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2-Nitrophenol	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
4-Nitrophenol	ND		1700	230	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		02/09/23 08:02	02/10/23 08:13	1

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

Lab Sample ID: MB 180-425742/1-A
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Pentachlorophenol	ND		1700	540	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Phenanthrene	ND		67	18	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Phenol	ND		330	100	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
Pyrene	ND		67	16	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		02/09/23 08:02	02/10/23 08:13	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		02/09/23 08:02	02/10/23 08:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*02/09/23 08:02*	*02/10/23 08:13*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*02/09/23 08:02*	*02/10/23 08:13*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*02/09/23 08:02*	*02/10/23 08:13*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*02/09/23 08:02*	*02/10/23 08:13*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*02/09/23 08:02*	*02/10/23 08:13*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*02/09/23 08:02*	*02/10/23 08:13*	*1*

Lab Sample ID: LCS 180-425742/2-A
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4500		ug/Kg		68	50 - 100
Acenaphthylene	6670	4540		ug/Kg		68	52 - 100
Acetophenone	6670	4240		ug/Kg		64	48 - 100
Anthracene	6670	5050		ug/Kg		76	53 - 100
Atrazine	6670	4830		ug/Kg		72	49 - 103
Benzaldehyde	6670	4790		ug/Kg		72	23 - 105
Benzo[a]anthracene	6670	4870		ug/Kg		73	51 - 100
Benzo[a]pyrene	6670	4540		ug/Kg		68	51 - 100
Benzo[b]fluoranthene	6670	4360		ug/Kg		65	48 - 100
Benzo[g,h,i]perylene	6670	4180		ug/Kg		63	48 - 105
Benzo[k]fluoranthene	6670	4210		ug/Kg		63	19 - 100
1,1'-Biphenyl	6670	4410		ug/Kg		66	50 - 100
Bis(2-chloroethoxy)methane	6670	3920		ug/Kg		59	49 - 100
Bis(2-chloroethyl)ether	6670	4630		ug/Kg		69	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5830		ug/Kg		87	53 - 107
4-Bromophenyl phenyl ether	6670	4830		ug/Kg		72	52 - 101
Butyl benzyl phthalate	6670	5880		ug/Kg		88	52 - 107
Caprolactam	6670	4840		ug/Kg		73	48 - 111
Carbazole	6670	4660		ug/Kg		70	53 - 100
4-Chloroaniline	6670	4440		ug/Kg		67	47 - 100
4-Chloro-3-methylphenol	6670	4750		ug/Kg		71	49 - 106
2-Chloronaphthalene	6670	4170		ug/Kg		63	51 - 100
2-Chlorophenol	6670	4500		ug/Kg		67	51 - 100
4-Chlorophenyl phenyl ether	6670	4340		ug/Kg		65	52 - 100
Chrysene	6670	4580		ug/Kg		69	50 - 100

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

Lab Sample ID: LCS 180-425742/2-A
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	6670	4520		ug/Kg		68	50 - 107
Dibenzofuran	6670	4220		ug/Kg		63	52 - 100
3,3'-Dichlorobenzidine	6670	4780		ug/Kg		72	43 - 100
2,4-Dichlorophenol	6670	4640		ug/Kg		70	53 - 101
Diethyl phthalate	6670	4650		ug/Kg		70	48 - 104
2,4-Dimethylphenol	6670	4890		ug/Kg		73	51 - 101
Dimethyl phthalate	6670	4450		ug/Kg		67	53 - 100
Di-n-butyl phthalate	6670	5300		ug/Kg		80	57 - 102
4,6-Dinitro-2-methylphenol	13300	11100		ug/Kg		83	51 - 100
2,4-Dinitrophenol	13300	9470		ug/Kg		71	33 - 101
2,4-Dinitrotoluene	6670	4980		ug/Kg		75	54 - 104
2,6-Dinitrotoluene	6670	4760		ug/Kg		71	51 - 106
Di-n-octyl phthalate	6670	5620		ug/Kg		84	41 - 106
1,4-Dioxane	6670	4430		ug/Kg		66	25 - 125
Fluoranthene	6670	4700		ug/Kg		71	55 - 100
Fluorene	6670	4360		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4540		ug/Kg		68	49 - 100
Hexachlorobutadiene	6670	4140		ug/Kg		62	38 - 107
Hexachlorocyclopentadiene	6670	4540		ug/Kg		68	33 - 117
Hexachloroethane	6670	4670		ug/Kg		70	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4200		ug/Kg		63	51 - 103
Isophorone	6670	5040		ug/Kg		76	48 - 105
2-Methylnaphthalene	6670	4320		ug/Kg		65	53 - 100
2-Methylphenol	6670	4380		ug/Kg		66	50 - 101
Methylphenol, 3 & 4	6670	4210		ug/Kg		63	50 - 103
Naphthalene	6670	4530		ug/Kg		68	51 - 100
2-Nitroaniline	6670	5550		ug/Kg		83	42 - 123
3-Nitroaniline	6670	4850		ug/Kg		73	50 - 103
4-Nitroaniline	6670	4720		ug/Kg		71	52 - 103
Nitrobenzene	6670	4970		ug/Kg		75	44 - 108
2-Nitrophenol	6670	5230		ug/Kg		78	55 - 107
4-Nitrophenol	13300	10000		ug/Kg		75	30 - 134
N-Nitrosodi-n-propylamine	6670	5160		ug/Kg		77	45 - 107
N-Nitrosodiphenylamine	6670	5350		ug/Kg		80	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4730		ug/Kg		71	30 - 113
Pentachlorophenol	13300	8450		ug/Kg		63	42 - 110
Phenanthrene	6670	4700		ug/Kg		70	53 - 100
Phenol	6670	4360		ug/Kg		65	49 - 100
Pyrene	6670	5060		ug/Kg		76	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4490		ug/Kg		67	41 - 104
2,3,4,6-Tetrachlorophenol	6670	3740		ug/Kg		56	47 - 104
2,4,5-Trichlorophenol	6670	5040		ug/Kg		76	50 - 104
2,4,6-Trichlorophenol	6670	4300		ug/Kg		64	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*44 - 105*
2-Fluorophenol (Surr)	*65*		*48 - 105*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*

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

Lab Sample ID: LCS 180-425742/2-A
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425742

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	*68*		*46 - 105*
Terphenyl-d14 (Surr)	*71*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*

Lab Sample ID: 180-151457-1 MS
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7290	3900		ug/Kg	☼	54	50 - 100
Acenaphthylene	ND		7290	3840		ug/Kg	☼	53	52 - 100
Acetophenone	ND	F1	7290	2190	F1	ug/Kg	☼	30	48 - 100
Anthracene	ND		7290	5200		ug/Kg	☼	71	53 - 100
Atrazine	ND		7290	4940		ug/Kg	☼	68	49 - 103
Benzaldehyde	ND		7290	4240		ug/Kg	☼	58	23 - 105
Benzo[a]anthracene	ND		7290	5320		ug/Kg	☼	73	51 - 100
Benzo[a]pyrene	ND		7290	4870		ug/Kg	☼	67	51 - 100
Benzo[b]fluoranthene	ND		7290	4920		ug/Kg	☼	67	48 - 100
Benzo[g,h,i]perylene	ND		7290	4480		ug/Kg	☼	61	48 - 105
Benzo[k]fluoranthene	ND		7290	4420		ug/Kg	☼	61	19 - 100
1,1'-Biphenyl	ND	F1	7290	3470	F1	ug/Kg	☼	48	50 - 100
Bis(2-chloroethoxy)methane	ND	F1	7290	2310	F1	ug/Kg	☼	32	49 - 100
Bis(2-chloroethyl)ether	ND	F1	7290	1880	F1	ug/Kg	☼	26	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7290	6020		ug/Kg	☼	83	53 - 107
4-Bromophenyl phenyl ether	ND		7290	4920		ug/Kg	☼	67	52 - 101
Butyl benzyl phthalate	ND		7290	6100		ug/Kg	☼	84	52 - 107
Caprolactam	ND		7290	4360		ug/Kg	☼	60	48 - 111
Carbazole	ND		7290	5080		ug/Kg	☼	70	53 - 100
4-Chloroaniline	ND	F1	7290	2500	F1	ug/Kg	☼	34	47 - 100
4-Chloro-3-methylphenol	ND	F1	7290	3500	F1	ug/Kg	☼	48	49 - 106
2-Chloronaphthalene	ND	F1	7290	3280	F1	ug/Kg	☼	45	51 - 100
2-Chlorophenol	ND	F1	7290	2130	F1	ug/Kg	☼	29	51 - 100
4-Chlorophenyl phenyl ether	ND		7290	3930		ug/Kg	☼	54	52 - 100
Chrysene	ND		7290	4940		ug/Kg	☼	68	50 - 100
Dibenz(a,h)anthracene	ND		7290	4800		ug/Kg	☼	66	50 - 107
Dibenzofuran	ND	F1	7290	3770		ug/Kg	☼	52	52 - 100
3,3'-Dichlorobenzidine	ND		7290	4360		ug/Kg	☼	60	43 - 100
2,4-Dichlorophenol	ND	F1	7290	2720	F1	ug/Kg	☼	37	53 - 101
Diethyl phthalate	ND		7290	4610		ug/Kg	☼	63	48 - 104
2,4-Dimethylphenol	ND	F1	7290	2950	F1	ug/Kg	☼	40	51 - 101
Dimethyl phthalate	ND		7290	4230		ug/Kg	☼	58	53 - 100
Di-n-butyl phthalate	ND		7290	5620		ug/Kg	☼	77	57 - 102
4,6-Dinitro-2-methylphenol	ND		14600	10900		ug/Kg	☼	75	51 - 100
2,4-Dinitrophenol	ND	F1	14600	2660	J F1	ug/Kg	☼	18	33 - 101
2,4-Dinitrotoluene	ND		7290	4950		ug/Kg	☼	68	54 - 104
2,6-Dinitrotoluene	ND		7290	4500		ug/Kg	☼	62	51 - 106
Di-n-octyl phthalate	ND		7290	5860		ug/Kg	☼	80	41 - 106
1,4-Dioxane	ND	F1	7290	502	J F1	ug/Kg	☼	7	25 - 125

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

Lab Sample ID: 180-151457-1 MS
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	ND		7290	4970		ug/Kg	☼	68	55 - 100
Fluorene	ND		7290	4060		ug/Kg	☼	56	52 - 100
Hexachlorobenzene	ND		7290	4400		ug/Kg	☼	60	49 - 100
Hexachlorobutadiene	ND	F1	7290	1840	F1	ug/Kg	☼	25	38 - 107
Hexachlorocyclopentadiene	ND		7290	2610		ug/Kg	☼	36	33 - 117
Hexachloroethane	ND	F1	7290	1530	F1	ug/Kg	☼	21	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7290	4550		ug/Kg	☼	62	51 - 103
Isophorone	ND	F1	7290	3220	F1	ug/Kg	☼	44	48 - 105
2-Methylnaphthalene	ND	F1	7290	2620	F1	ug/Kg	☼	36	53 - 100
2-Methylphenol	ND	F1	7290	2530	F1	ug/Kg	☼	35	50 - 101
Methylphenol, 3 & 4	ND	F1	7290	2800	F1	ug/Kg	☼	38	50 - 103
Naphthalene	ND	F1	7290	2380	F1	ug/Kg	☼	33	51 - 100
2-Nitroaniline	ND		7290	5210		ug/Kg	☼	71	42 - 123
3-Nitroaniline	ND		7290	4030		ug/Kg	☼	55	50 - 103
4-Nitroaniline	ND		7290	4650		ug/Kg	☼	64	52 - 103
Nitrobenzene	ND	F1	7290	2710	F1	ug/Kg	☼	37	44 - 108
2-Nitrophenol	ND	F1	7290	2790	F1	ug/Kg	☼	38	55 - 107
4-Nitrophenol	ND		14600	10400		ug/Kg	☼	71	30 - 134
N-Nitrosodi-n-propylamine	ND	F1	7290	2940	F1	ug/Kg	☼	40	45 - 107
N-Nitrosodiphenylamine	ND		7290	5320		ug/Kg	☼	73	52 - 100
2,2'-oxybis[1-chloropropane]	ND	F1	7290	2100	F1	ug/Kg	☼	29	30 - 113
Pentachlorophenol	ND		14600	8810		ug/Kg	☼	60	42 - 110
Phenanthrene	ND		7290	4840		ug/Kg	☼	66	53 - 100
Phenol	ND	F1	7290	2310	F1	ug/Kg	☼	32	49 - 100
Pyrene	ND		7290	5540		ug/Kg	☼	76	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7290	3220		ug/Kg	☼	44	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7290	4310		ug/Kg	☼	59	47 - 104
2,4,5-Trichlorophenol	ND		7290	3980		ug/Kg	☼	55	50 - 104
2,4,6-Trichlorophenol	ND		7290	4130		ug/Kg	☼	57	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*42*	*S1-*	*44 - 105*
2-Fluorophenol (Surr)	*25*	*S1-*	*48 - 105*
Nitrobenzene-d5 (Surr)	*36*	*S1-*	*46 - 105*
Phenol-d5 (Surr)	*32*	*S1-*	*46 - 105*
Terphenyl-d14 (Surr)	*69*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*

Lab Sample ID: 180-151457-1 MSD
Matrix: Solid
Analysis Batch: 425878

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7270	3830		ug/Kg	☼	53	50 - 100	2	20
Acenaphthylene	ND		7270	3780		ug/Kg	☼	52	52 - 100	2	20
Acetophenone	ND	F1	7270	2130	F1	ug/Kg	☼	29	48 - 100	3	17
Anthracene	ND		7270	4950		ug/Kg	☼	68	53 - 100	5	20
Atrazine	ND		7270	4680		ug/Kg	☼	64	49 - 103	6	19

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

Lab Sample ID: 180-151457-1 MSD
Client Sample ID: SSHS-IRM5A2-TB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 425878
Prep Batch: 425742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzaldehyde	ND		7270	4180		ug/Kg	☼	58	23 - 105	2	31
Benzo[a]anthracene	ND		7270	5150		ug/Kg	☼	71	51 - 100	3	21
Benzo[a]pyrene	ND		7270	4730		ug/Kg	☼	65	51 - 100	3	20
Benzo[b]fluoranthene	ND		7270	4660		ug/Kg	☼	64	48 - 100	5	20
Benzo[g,h,i]perylene	ND		7270	4260		ug/Kg	☼	59	48 - 105	5	19
Benzo[k]fluoranthene	ND		7270	4330		ug/Kg	☼	60	19 - 100	2	20
1,1'-Biphenyl	ND	F1	7270	3440	F1	ug/Kg	☼	47	50 - 100	1	19
Bis(2-chloroethoxy)methane	ND	F1	7270	2280	F1	ug/Kg	☼	31	49 - 100	1	20
Bis(2-chloroethyl)ether	ND	F1	7270	1810	F1	ug/Kg	☼	25	48 - 100	4	18
Bis(2-ethylhexyl) phthalate	ND		7270	5930		ug/Kg	☼	82	53 - 107	1	20
4-Bromophenyl phenyl ether	ND		7270	4660		ug/Kg	☼	64	52 - 101	5	20
Butyl benzyl phthalate	ND		7270	6040		ug/Kg	☼	83	52 - 107	1	19
Caprolactam	ND		7270	4070		ug/Kg	☼	56	48 - 111	7	23
Carbazole	ND		7270	4710		ug/Kg	☼	65	53 - 100	7	20
4-Chloroaniline	ND	F1	7270	2470	F1	ug/Kg	☼	34	47 - 100	1	20
4-Chloro-3-methylphenol	ND	F1	7270	3490	F1	ug/Kg	☼	48	49 - 106	0	20
2-Chloronaphthalene	ND	F1	7270	3230	F1	ug/Kg	☼	44	51 - 100	2	20
2-Chlorophenol	ND	F1	7270	2070	F1	ug/Kg	☼	29	51 - 100	3	17
4-Chlorophenyl phenyl ether	ND		7270	3870		ug/Kg	☼	53	52 - 100	1	19
Chrysene	ND		7270	4800		ug/Kg	☼	66	50 - 100	3	20
Dibenz(a,h)anthracene	ND		7270	4510		ug/Kg	☼	62	50 - 107	6	21
Dibenzofuran	ND	F1	7270	3740	F1	ug/Kg	☼	51	52 - 100	1	19
3,3'-Dichlorobenzidine	ND		7270	4260		ug/Kg	☼	59	43 - 100	3	19
2,4-Dichlorophenol	ND	F1	7270	2860	F1	ug/Kg	☼	39	53 - 101	5	22
Diethyl phthalate	ND		7270	4410		ug/Kg	☼	61	48 - 104	5	20
2,4-Dimethylphenol	ND	F1	7270	2900	F1	ug/Kg	☼	40	51 - 101	2	32
Dimethyl phthalate	ND		7270	4100		ug/Kg	☼	56	53 - 100	3	21
Di-n-butyl phthalate	ND		7270	5390		ug/Kg	☼	74	57 - 102	4	20
4,6-Dinitro-2-methylphenol	ND		14500	10300		ug/Kg	☼	71	51 - 100	5	22
2,4-Dinitrophenol	ND	F1	14500	3050	J F1	ug/Kg	☼	21	33 - 101	13	20
2,4-Dinitrotoluene	ND		7270	4770		ug/Kg	☼	66	54 - 104	4	20
2,6-Dinitrotoluene	ND		7270	4330		ug/Kg	☼	60	51 - 106	4	20
Di-n-octyl phthalate	ND		7270	5760		ug/Kg	☼	79	41 - 106	2	18
1,4-Dioxane	ND	F1	7270	486	J F1	ug/Kg	☼	7	25 - 125	3	17
Fluoranthene	ND		7270	4850		ug/Kg	☼	67	55 - 100	3	20
Fluorene	ND		7270	3990		ug/Kg	☼	55	52 - 100	2	19
Hexachlorobenzene	ND		7270	4390		ug/Kg	☼	60	49 - 100	0	20
Hexachlorobutadiene	ND	F1	7270	1820	F1	ug/Kg	☼	25	38 - 107	1	22
Hexachlorocyclopentadiene	ND		7270	2570		ug/Kg	☼	35	33 - 117	2	19
Hexachloroethane	ND	F1	7270	1460	F1	ug/Kg	☼	20	47 - 100	4	17
Indeno[1,2,3-cd]pyrene	ND		7270	4250		ug/Kg	☼	58	51 - 103	7	19
Isophorone	ND	F1	7270	3180	F1	ug/Kg	☼	44	48 - 105	1	20
2-Methylnaphthalene	ND	F1	7270	2580	F1	ug/Kg	☼	35	53 - 100	2	21
2-Methylphenol	ND	F1	7270	2580	F1	ug/Kg	☼	36	50 - 101	2	17
Methylphenol, 3 & 4	ND	F1	7270	2660	F1	ug/Kg	☼	37	50 - 103	5	19
Naphthalene	ND	F1	7270	2310	F1	ug/Kg	☼	32	51 - 100	3	20
2-Nitroaniline	ND		7270	5140		ug/Kg	☼	71	42 - 123	1	19
3-Nitroaniline	ND		7270	3970		ug/Kg	☼	55	50 - 103	2	20
4-Nitroaniline	ND		7270	4400		ug/Kg	☼	61	52 - 103	5	18

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

Lab Sample ID: 180-151457-1 MSD
Client Sample ID: SSHS-IRM5A2-TB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 425878
Prep Batch: 425742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene	ND	F1	7270	2620	F1	ug/Kg	☼	36	44 - 108	3	21
2-Nitrophenol	ND	F1	7270	2760	F1	ug/Kg	☼	38	55 - 107	1	19
4-Nitrophenol	ND		14500	9570		ug/Kg	☼	66	30 - 134	8	18
N-Nitrosodi-n-propylamine	ND	F1	7270	2920	F1	ug/Kg	☼	40	45 - 107	1	18
N-Nitrosodiphenylamine	ND		7270	5180		ug/Kg	☼	71	52 - 100	3	20
2,2'-oxybis[1-chloropropane]	ND	F1	7270	2040	F1	ug/Kg	☼	28	30 - 113	3	17
Pentachlorophenol	ND		14500	8620		ug/Kg	☼	59	42 - 110	2	20
Phenanthrene	ND		7270	4740		ug/Kg	☼	65	53 - 100	2	20
Phenol	ND	F1	7270	2260	F1	ug/Kg	☼	31	49 - 100	2	16
Pyrene	ND		7270	5420		ug/Kg	☼	75	52 - 100	2	20
1,2,4,5-Tetrachlorobenzene	ND		7270	3180		ug/Kg	☼	44	41 - 104	1	21
2,3,4,6-Tetrachlorophenol	ND		7270	4180		ug/Kg	☼	57	47 - 104	3	18
2,4,5-Trichlorophenol	ND		7270	3910		ug/Kg	☼	54	50 - 104	2	21
2,4,6-Trichlorophenol	ND		7270	4050		ug/Kg	☼	56	50 - 105	2	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*41*	*S1-*	*44 - 105*
2-Fluorophenol (Surr)	*25*	*S1-*	*48 - 105*
Nitrobenzene-d5 (Surr)	*35*	*S1-*	*46 - 105*
Phenol-d5 (Surr)	*30*	*S1-*	*46 - 105*
Terphenyl-d14 (Surr)	*67*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*

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

Lab Sample ID: MB 180-425363/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 425426
Prep Batch: 425363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1221	ND		17	5.9	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1232	ND		17	4.1	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1242	ND		17	2.4	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1248	ND		17	4.0	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1254	ND		17	5.0	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1260	ND		17	4.7	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1262	ND		17	5.9	ug/Kg		02/06/23 11:36	02/07/23 12:56	1
PCB-1268	ND		17	2.2	ug/Kg		02/06/23 11:36	02/07/23 12:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*02/06/23 11:36*	*02/07/23 12:56*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*02/06/23 11:36*	*02/07/23 12:56*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*02/06/23 11:36*	*02/07/23 12:56*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*02/06/23 11:36*	*02/07/23 12:56*	*1*

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

Lab Sample ID: LCS 180-425363/2-C
Matrix: Solid
Analysis Batch: 425426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1190		ug/Kg		90	43 - 136
PCB-1260	1330	1300		ug/Kg		97	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-425393/1-A
Matrix: Solid
Analysis Batch: 425873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Antimony	ND		1.0	0.30	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Arsenic	ND		1.0	0.63	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Barium	ND		20	3.6	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Beryllium	ND		0.40	0.11	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Cadmium	ND		0.50	0.073	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Calcium	ND		500	65	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Chromium	ND		0.50	0.46	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Cobalt	ND		5.0	0.70	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Copper	ND		2.5	1.5	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Iron	ND		10	9.7	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Lead	ND		1.0	0.87	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Magnesium	ND		500	55	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Manganese	ND		1.5	0.28	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Nickel	ND		4.0	0.50	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Potassium	ND		500	85	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Silver	ND		0.50	0.10	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Sodium	ND		500	51	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Thallium	ND		2.0	0.28	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Vanadium	ND		5.0	0.79	mg/Kg		02/06/23 14:53	02/09/23 14:45	1
Zinc	1.87	J	2.0	1.5	mg/Kg		02/06/23 14:53	02/09/23 14:45	1

Lab Sample ID: MB 180-425393/1-A
Matrix: Solid
Analysis Batch: 426078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.0	0.46	mg/Kg		02/06/23 14:53	02/10/23 11:39	1

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

Lab Sample ID: LCS 180-425393/2-A
Matrix: Solid
Analysis Batch: 425873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	515		mg/Kg		103	80 - 120
Antimony	25.0	27.3		mg/Kg		109	80 - 120
Arsenic	100	116		mg/Kg		116	80 - 120
Barium	100	93.5		mg/Kg		93	80 - 120
Beryllium	50.0	56.3		mg/Kg		113	80 - 120
Cadmium	50.0	53.1		mg/Kg		106	80 - 120
Calcium	2500	2620		mg/Kg		105	80 - 120
Chromium	50.0	53.4		mg/Kg		107	80 - 120
Cobalt	50.0	54.1		mg/Kg		108	80 - 120
Copper	50.0	53.7		mg/Kg		107	80 - 120
Iron	500	538		mg/Kg		108	80 - 120
Lead	50.0	53.2		mg/Kg		106	80 - 120
Magnesium	2500	2550		mg/Kg		102	80 - 120
Manganese	50.0	51.7		mg/Kg		103	80 - 120
Nickel	50.0	51.5		mg/Kg		103	80 - 120
Potassium	2500	2570		mg/Kg		103	80 - 120
Silver	25.0	25.4		mg/Kg		102	80 - 120
Sodium	2500	2540		mg/Kg		102	80 - 120
Thallium	100	105		mg/Kg		105	80 - 120
Vanadium	50.0	55.8		mg/Kg		112	80 - 120
Zinc	25.0	29.3		mg/Kg		117	80 - 120

Lab Sample ID: LCS 180-425393/2-A
Matrix: Solid
Analysis Batch: 426078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	89.7		mg/Kg		90	80 - 120

Lab Sample ID: 180-151457-1 MS
Matrix: Solid
Analysis Batch: 425873

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7100		339	9360	4	mg/Kg	☼	674	75 - 125
Antimony	ND	F2 F1	17.0	6.72	F1	mg/Kg	☼	40	75 - 125
Arsenic	7.4		67.8	67.6		mg/Kg	☼	89	75 - 125
Barium	57	F1	67.8	119		mg/Kg	☼	91	75 - 125
Beryllium	0.31	J	33.9	26.9		mg/Kg	☼	78	75 - 125
Cadmium	ND		33.9	27.1		mg/Kg	☼	80	75 - 125
Calcium	46000	F2	1700	8240	4	mg/Kg	☼	-2236	75 - 125
Chromium	8.4		33.9	37.1		mg/Kg	☼	85	75 - 125
Cobalt	7.3		33.9	39.7		mg/Kg	☼	96	75 - 125
Copper	15		33.9	45.9		mg/Kg	☼	92	75 - 125
Iron	18000		339	22200	4	mg/Kg	☼	1338	75 - 125
Lead	11		33.9	46.0		mg/Kg	☼	104	75 - 125
Magnesium	2400		1700	4310		mg/Kg	☼	113	75 - 125
Manganese	450		33.9	455	4	mg/Kg	☼	19	75 - 125
Nickel	15		33.9	48.0		mg/Kg	☼	96	75 - 125

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

Lab Sample ID: 180-151457-1 MS
Matrix: Solid
Analysis Batch: 425873

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	670	F2 F1	1700	1740	F1	mg/Kg	☼	63	75 - 125
Silver	ND	F1	17.0	13.4		mg/Kg	☼	79	75 - 125
Sodium	150	J F2 F1	1700	1280	F1	mg/Kg	☼	67	75 - 125
Thallium	ND		67.8	56.7		mg/Kg	☼	84	75 - 125
Vanadium	10		33.9	39.0		mg/Kg	☼	85	75 - 125
Zinc	46	B	17.0	65.4		mg/Kg	☼	116	75 - 125

Lab Sample ID: 180-151457-1 MS
Matrix: Solid
Analysis Batch: 426078

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	ND	F1	67.8	49.3	F1	mg/Kg	☼	73	75 - 125

Lab Sample ID: 180-151457-1 MSD
Matrix: Solid
Analysis Batch: 425873

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7100		428	9110	4	mg/Kg	☼	478	75 - 125	3	20
Antimony	ND	F2 F1	21.4	8.79	F2 F1	mg/Kg	☼	41	75 - 125	27	20
Arsenic	7.4		85.6	77.1		mg/Kg	☼	81	75 - 125	13	20
Barium	57	F1	85.6	121	F1	mg/Kg	☼	74	75 - 125	2	20
Beryllium	0.31	J	42.8	32.4		mg/Kg	☼	75	75 - 125	18	20
Cadmium	ND		42.8	32.0		mg/Kg	☼	75	75 - 125	17	20
Calcium	46000	F2	2140	5290	4 F2	mg/Kg	☼	-1911	75 - 125	44	20
Chromium	8.4		42.8	41.5		mg/Kg	☼	77	75 - 125	11	20
Cobalt	7.3		42.8	43.5		mg/Kg	☼	85	75 - 125	9	20
Copper	15		42.8	51.7		mg/Kg	☼	86	75 - 125	12	20
Iron	18000		428	21500	4	mg/Kg	☼	910	75 - 125	3	20
Lead	11		42.8	49.8		mg/Kg	☼	91	75 - 125	8	20
Magnesium	2400		2140	4520		mg/Kg	☼	99	75 - 125	5	20
Manganese	450		42.8	413	4	mg/Kg	☼	-83	75 - 125	10	20
Nickel	15		42.8	51.0		mg/Kg	☼	83	75 - 125	6	20
Potassium	670	F2 F1	2140	2180	F2 F1	mg/Kg	☼	71	75 - 125	22	20
Silver	ND	F1	21.4	15.8	F1	mg/Kg	☼	74	75 - 125	17	20
Sodium	150	J F2 F1	2140	1620	F2 F1	mg/Kg	☼	69	75 - 125	23	20
Thallium	ND		85.6	66.7		mg/Kg	☼	78	75 - 125	16	20
Vanadium	10		42.8	44.3		mg/Kg	☼	80	75 - 125	13	20
Zinc	46	B	21.4	68.9		mg/Kg	☼	108	75 - 125	5	20

Lab Sample ID: 180-151457-1 MSD
Matrix: Solid
Analysis Batch: 426078

Client Sample ID: SSHS-IRM5A2-TB-B1
Prep Type: Total/NA
Prep Batch: 425393

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	ND	F1	85.6	56.0	F1	mg/Kg	☼	65	75 - 125	13	20

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-425450/1-A
Matrix: Solid
Analysis Batch: 425658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		02/07/23 07:15	02/08/23 12:43	1

Lab Sample ID: LCS 180-425450/2-A
Matrix: Solid
Analysis Batch: 425658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.415		mg/Kg		100	80 - 120		

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 425897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 8260C	425984
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	EPA 8260C	425984
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	EPA 8260C	425984
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	EPA 8260C	425984
MB 180-425897/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-425897/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 425984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	5035	
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	5035	
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	5035	
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 425742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3541	
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	3541	
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	3541	
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	3541	
MB 180-425742/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-425742/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-151457-1 MS	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3541	
180-151457-1 MSD	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3541	

Analysis Batch: 425878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 8270D	425742
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	EPA 8270D	425742
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	EPA 8270D	425742
MB 180-425742/1-A	Method Blank	Total/NA	Solid	EPA 8270D	425742
LCS 180-425742/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	425742
180-151457-1 MS	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 8270D	425742
180-151457-1 MSD	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 8270D	425742

Analysis Batch: 426212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	EPA 8270D	425742

GC Semi VOA

Prep Batch: 425363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3541	
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	3541	
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	3541	
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	3541	
MB 180-425363/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-425363/2-C	Lab Control Sample	Total/NA	Solid	3541	

GC Semi VOA

Cleanup Batch: 425395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3665A	425363
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	3665A	425363
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	3665A	425363
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	3665A	425363
MB 180-425363/1-C	Method Blank	Total/NA	Solid	3665A	425363
LCS 180-425363/2-C	Lab Control Sample	Total/NA	Solid	3665A	425363

Cleanup Batch: 425396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3660B	425395
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	3660B	425395
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	3660B	425395
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	3660B	425395
MB 180-425363/1-C	Method Blank	Total/NA	Solid	3660B	425395
LCS 180-425363/2-C	Lab Control Sample	Total/NA	Solid	3660B	425395

Analysis Batch: 425426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 8082A	425396
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	EPA 8082A	425396
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	EPA 8082A	425396
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	EPA 8082A	425396
MB 180-425363/1-C	Method Blank	Total/NA	Solid	EPA 8082A	425396
LCS 180-425363/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	425396

Metals

Prep Batch: 425393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3050B	
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	3050B	
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	3050B	
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	3050B	
MB 180-425393/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-425393/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-151457-1 MS	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3050B	
180-151457-1 MSD	SSHS-IRM5A2-TB-B1	Total/NA	Solid	3050B	

Prep Batch: 425450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	7471B	
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	7471B	
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	7471B	
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	7471B	
MB 180-425450/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-425450/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 425658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 7471B	425450
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	EPA 7471B	425450

Metals (Continued)

Analysis Batch: 425658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	EPA 7471B	425450
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	EPA 7471B	425450
MB 180-425450/1-A	Method Blank	Total/NA	Solid	EPA 7471B	425450
LCS 180-425450/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	425450

Analysis Batch: 425873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 6010C	425393
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	EPA 6010C	425393
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	EPA 6010C	425393
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	EPA 6010C	425393
MB 180-425393/1-A	Method Blank	Total/NA	Solid	EPA 6010C	425393
LCS 180-425393/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	425393
180-151457-1 MS	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 6010C	425393
180-151457-1 MSD	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 6010C	425393

Analysis Batch: 426078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 6010C	425393
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	EPA 6010C	425393
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	EPA 6010C	425393
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	EPA 6010C	425393
MB 180-425393/1-A	Method Blank	Total/NA	Solid	EPA 6010C	425393
LCS 180-425393/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	425393
180-151457-1 MS	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 6010C	425393
180-151457-1 MSD	SSHS-IRM5A2-TB-B1	Total/NA	Solid	EPA 6010C	425393

General Chemistry

Analysis Batch: 425488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-1	SSHS-IRM5A2-TB-B1	Total/NA	Solid	2540G	
180-151457-2	SSHS-IRM5A2-TB-B2	Total/NA	Solid	2540G	
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	2540G	
180-151457-4	SSHS-IRM5A2-DUP275	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler	Lab PM.	Carrier Tracking No(s)	COC No:
Client Contact: Mr. Aron Krasnopoler	M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 10 Days			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

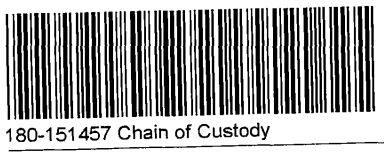
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-TB-B1	2/2/23	13:45	C	S	N	N	X	X	X	X									7	
SSHS-IRM5A2-TB-B2	2/2/23	13:50	C	S	N	N	X	X	X	X									7	
SSHS-IRM5A2-TB-B3	2/2/23	13:55	C	S	N	N	X	X	X	X	X	X							9	
SSHS-IRM5A2-DUP275	2/2/23	-	C	S	N	N	X	X	X	X									7	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: [signature]	2/2/23, 18:30	GEO	[signature]	2-3-23 1530	ECHVE
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Environment Testing America

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Days			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-TB-B1	2/2/23	13:45	C	S	N	N	X	X	X	X											7	
SSHS-IRM5A2-TB-B2	2/2/23	13:50	C	S	N	N	X	X	X	X												
SSHS-IRM5A2-TB-B3	2/2/23	13:55	C	S	N	N	X	X	X	X	X	X										
SSHS-IRM5A2-DUP275	2/2/23		C	S	N	N	X	X	X	X												



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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: James R. Lyle	Date/Time: 2/2/23, 16:36	Company: Geosyntec	Received by:	Date/Time: 2/6/23 1000	Company: FedEx	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	

Custody Seals Intact: X Yes ☐ No	Custody Seal No.: 499176	Cooler Temperature(s) °C and Other Remarks: 0.7

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2/16/2023

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Sacramento Sample Receiving Notes

180-151457 Field Sheet

Tracking # : 7711 6847 8711

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 1449136

Cooler ID: -

Temp Observed: 0.3 °C Corrected: 0.3 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DH Date: 2/6/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JF Date: 2/6/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
Samples received within hold time?	☐	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☐	☐	☐

Initials: _____ Date: _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-151457-1

Login Number: 151457
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-151457-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-151457-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-151457-2

Comments
Due to FEDEX shipment delay, the cooler sent to the Sacramento laboratory was received on 2/6/23.

Receipt
The samples were received on 2/3 and 6/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3º C and 1.3º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-23
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-23 *
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
Utah	NELAP	CA000442021-12	02-28-23
Virginia	NELAP	460278	03-14-23
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-151457-3	SSHS-IRM5A2-TB-B3	Solid	02/02/23 13:55	02/03/23 15:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3
Date Collected: 02/02/23 13:55
Matrix: Solid
Date Received: 02/03/23 15:30
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.50 g	10.0 mL	652958	02/09/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	654392	02/17/23 17:32	D1R	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

D1R = Dhatpakorn Ruangyotsakul

Client Sample ID: SSHS-IRM5A2-TB-B3
Lab Sample ID: 180-151457-3

Date Collected: 02/02/23 13:55
Matrix: Solid

Date Received: 02/03/23 15:30
Percent Solids: 88.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	02/09/23 18:54	02/17/23 17:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C5 PFPeA	*89*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C2 PFHxA	*95*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C4 PFHpA	*96*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C4 PFOA	*95*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C5 PFNA	*99*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C2 PFDA	*107*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C2 PFUnA	*97*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C2 PFDoA	*102*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C3 PFBS	*78*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
18O2 PFHxS	*80*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C4 PFOS	*79*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
13C8 FOSA	*101*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
d3-NMeFOSAA	*125*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
d5-NEtFOSAA	*131*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-652958/1-A
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
6:2 FTS	ND		0.20	0.027	ug/Kg		02/09/23 18:54	02/17/23 17:11	1
8:2 FTS	ND		0.20	0.035	ug/Kg		02/09/23 18:54	02/17/23 17:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C5 PFPeA	*91*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C2 PFHxA	*94*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C4 PFHpA	*95*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C4 PFOA	*98*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C5 PFNA	*103*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C2 PFDA	*104*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C2 PFUnA	*93*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C2 PFDoA	*107*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C3 PFBS	*89*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
18O2 PFHxS	*91*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C4 PFOS	*93*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
13C8 FOSA	*104*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
d3-NMeFOSAA	*120*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
d5-NEtFOSAA	*123*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*
M2-8:2 FTS	*123*		*25 - 150*	*02/09/23 18:54*	*02/17/23 17:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-652958/2-A
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		99	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.08		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.01		ug/Kg		101	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.03		ug/Kg		102	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.96		ug/Kg		98	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.96		ug/Kg		98	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.91		ug/Kg		95	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.12		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.92		ug/Kg		96	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.98		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.77		ug/Kg		100	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.66		ug/Kg		91	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.96		ug/Kg		103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.92		ug/Kg		103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.13		ug/Kg		111	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.96		ug/Kg		98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.02		ug/Kg		101	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.01		ug/Kg		100	72 - 132
6:2 FTS	1.90	1.82		ug/Kg		96	73 - 139
8:2 FTS	1.92	1.90		ug/Kg		99	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*60*		*25 - 150*
13C5 PFPeA	*85*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*95*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*96*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*100*		*25 - 150*
13C2 PFTeDA	*98*		*25 - 150*
13C3 PFBS	*85*		*25 - 150*
18O2 PFHxS	*90*		*25 - 150*
13C4 PFOS	*88*		*25 - 150*
13C8 FOSA	*103*		*25 - 150*
d3-NMeFOSAA	*116*		*25 - 150*
d5-NEtFOSAA	*120*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-652958/2-A
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652958

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*97*		*25 - 150*
M2-8:2 FTS	*134*		*25 - 150*

Lab Sample ID: 180-151457-3 MS
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: SSHS-IRM5A2-TB-B3
Prep Type: Total/NA
Prep Batch: 652958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.16	2.15		ug/Kg	☼	100	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.16	2.27		ug/Kg	☼	105	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.16	2.30		ug/Kg	☼	106	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.16	2.31		ug/Kg	☼	107	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.16	2.30		ug/Kg	☼	107	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.16	2.22		ug/Kg	☼	103	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.16	2.24		ug/Kg	☼	104	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.16	2.43		ug/Kg	☼	113	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.16	2.07		ug/Kg	☼	96	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.16	2.07		ug/Kg	☼	96	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.16	2.12		ug/Kg	☼	98	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.92	2.08		ug/Kg	☼	108	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.97	1.86		ug/Kg	☼	94	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.06	2.26		ug/Kg	☼	110	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.01	2.33		ug/Kg	☼	116	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.08	2.37		ug/Kg	☼	114	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.16	2.30		ug/Kg	☼	106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.16	2.27		ug/Kg	☼	105	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.16	2.25		ug/Kg	☼	104	72 - 132
6:2 FTS	ND		2.05	1.94		ug/Kg	☼	95	73 - 139
8:2 FTS	ND		2.07	1.91		ug/Kg	☼	92	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*55*		*25 - 150*
13C5 PFPeA	*86*		*25 - 150*
13C2 PFHxA	*90*		*25 - 150*
13C4 PFHpA	*93*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*96*		*25 - 150*
13C2 PFDoA	*108*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-151457-3 MS
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: SSHS-IRM5A2-TB-B3
Prep Type: Total/NA
Prep Batch: 652958

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	108		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	82		25 - 150
13C4 PFOS	79		25 - 150
13C8 FOSA	100		25 - 150
d3-NMeFOSAA	121		25 - 150
d5-NEtFOSAA	132		25 - 150
M2-6:2 FTS	98		25 - 150
M2-8:2 FTS	127		25 - 150

Lab Sample ID: 180-151457-3 MSD
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: SSHS-IRM5A2-TB-B3
Prep Type: Total/NA
Prep Batch: 652958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.12	2.16		ug/Kg	☼	102	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.12	2.14		ug/Kg	☼	101	69 - 129	6	30
Perfluorohexanoic acid (PFHxA)	ND		2.12	2.12		ug/Kg	☼	100	71 - 131	8	30
Perfluoroheptanoic acid (PFHpA)	ND		2.12	2.09		ug/Kg	☼	99	71 - 131	10	30
Perfluorooctanoic acid (PFOA)	ND		2.12	2.12		ug/Kg	☼	100	72 - 132	8	30
Perfluorononanoic acid (PFNA)	ND		2.12	2.17		ug/Kg	☼	102	73 - 133	2	30
Perfluorodecanoic acid (PFDA)	ND		2.12	2.15		ug/Kg	☼	101	72 - 132	4	30
Perfluoroundecanoic acid (PFUnA)	ND		2.12	2.30		ug/Kg	☼	109	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.12	2.00		ug/Kg	☼	94	71 - 131	4	30
Perfluorotridecanoic acid (PFTriA)	ND		2.12	2.02		ug/Kg	☼	95	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.12	1.99		ug/Kg	☼	94	67 - 127	7	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.88	1.97		ug/Kg	☼	105	69 - 129	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.93	1.79		ug/Kg	☼	93	62 - 122	4	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.02	2.19		ug/Kg	☼	108	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.97	2.10		ug/Kg	☼	106	68 - 141	10	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.04	2.28		ug/Kg	☼	111	71 - 131	4	30
Perfluorooctanesulfonamide (FOSA)	ND		2.12	2.15		ug/Kg	☼	102	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.12	2.00		ug/Kg	☼	94	72 - 132	13	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.12	2.20		ug/Kg	☼	104	72 - 132	2	30
6:2 FTS	ND		2.02	1.99		ug/Kg	☼	99	73 - 139	2	30
8:2 FTS	ND		2.04	1.81		ug/Kg	☼	89	75 - 135	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	68		25 - 150
13C5 PFPeA	92		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-151457-3 MSD
Matrix: Solid
Analysis Batch: 654392

Client Sample ID: SSHS-IRM5A2-TB-B3
Prep Type: Total/NA
Prep Batch: 652958

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	99		25 - 150
13C4 PFHpA	100		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	109		25 - 150
13C3 PFBS	81		25 - 150
18O2 PFHxS	87		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	107		25 - 150
d3-NMeFOSAA	131		25 - 150
d5-NEtFOSAA	130		25 - 150
M2-6:2 FTS	101		25 - 150
M2-8:2 FTS	116		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151457-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 652958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	SHAKE	
MB 320-652958/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-652958/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-151457-3 MS	SSHS-IRM5A2-TB-B3	Total/NA	Solid	SHAKE	
180-151457-3 MSD	SSHS-IRM5A2-TB-B3	Total/NA	Solid	SHAKE	

Analysis Batch: 654392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151457-3	SSHS-IRM5A2-TB-B3	Total/NA	Solid	537 (modified)	652958
MB 320-652958/1-A	Method Blank	Total/NA	Solid	537 (modified)	652958
LCS 320-652958/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	652958
180-151457-3 MS	SSHS-IRM5A2-TB-B3	Total/NA	Solid	537 (modified)	652958
180-151457-3 MSD	SSHS-IRM5A2-TB-B3	Total/NA	Solid	537 (modified)	652958

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler	Lab PM.	Carrier Tracking No(s)	COC No:
Client Contact: Mr. Aron Krasnopoler	M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 10 Days			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

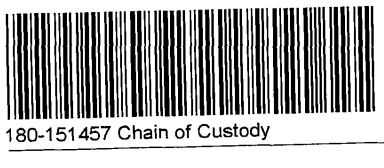
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-TB-B1	2/2/23	13:45	C	S	N	N	X	X	X	X									7	
SSHS-IRM5A2-TB-B2	2/2/23	13:50	C	S	N	N	X	X	X	X									7	
SSHS-IRM5A2-TB-B3	2/2/23	13:55	C	S	N	N	X	X	X	X	X	X							9	
SSHS-IRM5A2-DUP275	2/2/23	-	C	S	N	N	X	X	X	X									7	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: [signature]	2/2/23, 18:30	GEO	[signature]	2-3-23 1530	ECHVE
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Environment Testing America

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Days			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-TB-B1	2/2/23	13:45	C	S	N	N	X	X	X	X			7	
SSHS-IRM5A2-TB-B2	2/2/23	13:50	C	S	N	N	X	X	X	X				
SSHS-IRM5A2-TB-B3	2/2/23	13:55	C	S	N	N	X	X	X	X	X	X		
SSHS-IRM5A2-DUP275	2/2/23		C	S	N	N	X	X	X	X				



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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: James R. Lyle	Date/Time: 2/2/23, 16:36	Company: GEO	Received by:	Date/Time: 2/3/23 1000	Company: FEDEX
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: X Yes ☐ No	Custody Seal No.: 499176	Cooler Temperature(s) °C and Other Remarks: 0.7

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-151457 Field Sheet

Tracking # : 7711 6847 8711

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 1449136

Cooler ID: -

Temp Observed: 0.3 °C Corrected: 0.3 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DH Date: 2/6/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JF Date: 2/6/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
Samples received within hold time?	☐	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☐	☐	☐

Initials: _____ Date: _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-151457-2

Login Number: 151457
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-151457-2

Login Number: 151457
List Number: 2
Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento
List Creation: 02/06/23 11:36 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1999136
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/21/2023 7:42:00 AM

JOB DESCRIPTION

Sterling, Former Sperry Remington-Documentation

JOB NUMBER

180-151738-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



Generated
2/21/2023 7:42:00 AM

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

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Job ID: 180-151738-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-151738-1

Receipt
The samples were received on 2/9/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4º C and 5.3º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of Fluorobenzene was above criteria for the method blank,.(MB 180-426112/9). All associated samples had the internal standard responses within criteria.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-BB-B1 (180-151738-5) had several recoveries outside of the control limits. The RPDs between the spikes were within the control limits.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-426112 recovered above the control limits for the following analytes: Tetrachloroethene and Trichloroethene. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-426112 was above the control limits for the following analytes: 2-Hexanone, Acetone, and 2-Butanone. The recoveries were within the control limits.

Method 8260C: The laboratory control sample (LCS) for batch 180-426222 recovered below the control limits for the following analyte: Vinyl chloride. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-426112 was below criteria for the following analytes:Vinyl chloride, Trichlorofluoromethane, Carbon disulfide, Chloroethane, 1,1,2,2-Tetrachloroethane, Dichlorodifluoromethane, Chloromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromo-3-Chloropropane, and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-426112 was above criteria for the following analytes: Acetone, Chlorobromomethane, 1,4-Dioxane, and Dibromofluoromethane (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-426222 was below criteria for the following analytes: Vinyl chloride, 1,1,2,2-Tetrachloroethane, Dichlorodifluoromethane, Chloromethane, 4-Methyl-2-pentanone, Methyl acetate, 1,2-Dibromo-3-Chloropropane, and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-BB-B1 (180-151738-5) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-426365 was above criteria for the following analyte: 2,2'-oxybis[1-chloropropane]. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-426486 was above criteria for the following analytes:

Job ID: 180-151738-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

2,2'-oxybis[1-chloropropane] and 2,4,6-Tribromophenol (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-426328 (CCV 180-426328/4) was below criteria for aroclor 1248 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-426328 (CCVIS 180-426328/5) was below criteria for aroclors 1016 and 1260 for 1 peaks on column RTX-CLP1. Associated positive sample results for aroclors 1016 and 1260 were reported from column RTX-CLP2 which met criteria or did not have these peaks included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-426328 (CCV 180-426328/10) was above criteria for aroclor 1254 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-426328 (CCVIS 180-426328/5) was below criteria for surrogate decachlorobiphenyl on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

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

Metals
Method 6010C: The following sample was diluted to bring the concentration of calcium within the linear range of the instrument: SSHS-ISMP-BB-S3 (180-151738-3). Elevated reporting limits (RLs) are provided.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-BB-B1 (180-151738-5) had several recoveries and many RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits. The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) was greater than 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated RPD values were obtained.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-BB-B1 (180-151738-5) had the recoveries of mercury above the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

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

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Sterling, Former Sperry Remington-Documentation

Job ID: 180-151738-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-151738-1	SSHS-ISMP-BB-S1	Solid	02/08/23 09:50	02/09/23 10:00
180-151738-2	SSHS-ISMP-BB-S2	Solid	02/08/23 10:00	02/09/23 10:00
180-151738-3	SSHS-ISMP-BB-S3	Solid	02/08/23 10:10	02/09/23 10:00
180-151738-4	SSHS-ISMP-BB-S4	Solid	02/08/23 10:20	02/09/23 10:00
180-151738-5	SSHS-ISMP-BB-B1	Solid	02/08/23 10:30	02/09/23 10:00
180-151738-6	SSHS-ISMP-BB-DUP1	Solid	02/08/23 00:00	02/09/23 10:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-S1
Lab Sample ID: 180-151738-1
Date Collected: 02/08/23 09:50
Matrix: Solid
Date Received: 02/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			426038	02/11/23 16:49	BAC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-BB-S1
Lab Sample ID: 180-151738-1
Date Collected: 02/08/23 09:50
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1325 g	5 mL	426164	02/13/23 07:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	426112	02/13/23 19:05	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.41 g	5.0 mL	425960	02/10/23 13:24	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426365	02/15/23 17:54	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.0 g	20.0 mL	426070	02/13/23 03:07	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	426161	02/13/23 15:26	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	426162	02/13/23 15:29	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	426328	02/15/23 10:19	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.52 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426476	02/15/23 20:54	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	426534	02/16/23 10:30	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			426731	02/17/23 17:39	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2
Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			426038	02/11/23 16:49	BAC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2
Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2235 g	5 mL	426164	02/13/23 07:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	426112	02/13/23 19:28	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.29 g	5.0 mL	425960	02/10/23 13:24	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426365	02/15/23 18:15	VVP	EET PIT
	Instrument ID: CH71									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2
Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	426070	02/13/23 03:07	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	426161	02/13/23 15:26	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	426162	02/13/23 15:29	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	426328	02/15/23 10:37	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.03 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426476	02/15/23 20:59	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	426534	02/16/23 10:30	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			426731	02/17/23 17:40	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-BB-S3
Lab Sample ID: 180-151738-3
Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			426038	02/11/23 16:49	BAC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-BB-S3
Lab Sample ID: 180-151738-3
Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	426287	02/14/23 07:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	426222	02/14/23 21:26	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.07 g	5.0 mL	425960	02/10/23 13:24	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426365	02/15/23 18:37	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.5 g	20.0 mL	426070	02/13/23 03:07	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	426161	02/13/23 15:26	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	426162	02/13/23 15:29	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	426328	02/15/23 10:55	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426476	02/15/23 21:04	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.58 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			426815	02/16/23 12:04	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.69 g	100 mL	426534	02/16/23 10:30	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			426731	02/17/23 17:42	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4
Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			426038	02/11/23 16:49	BAC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4
Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2651 g	5 mL	426164	02/13/23 07:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	426112	02/13/23 20:14	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.25 g	5.0 mL	425960	02/10/23 13:24	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426365	02/15/23 18:58	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.0 g	20.0 mL	426070	02/13/23 03:07	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	426161	02/13/23 15:26	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	426162	02/13/23 15:29	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	426328	02/15/23 11:12	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.75 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426476	02/15/23 21:10	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.67 g	100 mL	426534	02/16/23 10:30	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			426731	02/17/23 17:43	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5
Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			426038	02/11/23 16:49	BAC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5
Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0604 g	5 mL	426164	02/13/23 07:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	426112	02/13/23 16:27	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.41 g	5.0 mL	425960	02/10/23 13:24	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426486	02/16/23 14:31	VVP	EET PIT
	Instrument ID: CH71									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5
Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	426070	02/13/23 03:07	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	426161	02/13/23 15:26	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	426162	02/13/23 15:29	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	426328	02/15/23 08:33	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426476	02/15/23 21:26	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.70 g	100 mL	426534	02/16/23 10:30	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			426731	02/17/23 17:44	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-BB-DUP1
Lab Sample ID: 180-151738-6
Date Collected: 02/08/23 00:00
Matrix: Solid
Date Received: 02/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			426038	02/11/23 16:49	BAC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-BB-DUP1
Lab Sample ID: 180-151738-6
Date Collected: 02/08/23 00:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	426164	02/13/23 07:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	426112	02/13/23 20:36	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.30 g	5.0 mL	425960	02/10/23 13:24	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	426365	02/15/23 19:20	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.0 g	20.0 mL	426070	02/13/23 03:07	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	426161	02/13/23 15:26	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	426162	02/13/23 15:29	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	426328	02/15/23 11:30	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	426232	02/14/23 09:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			426476	02/15/23 21:51	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.76 g	100 mL	426534	02/16/23 10:30	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			426731	02/17/23 17:47	RJR	EET PIT
	Instrument ID: HGZ									

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

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - A1K = Aiza Kesodia
- Batch Type: Prep
  - JBP = Jack Prothero
  - JSM = Joseph Moore
  - PJJ = Patrick Journet
  - RJR = Ron Rosenbaum
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - BAC = Blase Cindric
  - JMO = John Oravec
  - PJJ = Patrick Journet
  - RJG = Rob Good
  - RJR = Ron Rosenbaum
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-ISMP-BB-S1

Lab Sample ID: 180-151738-1

Date Collected: 02/08/23 09:50
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	22	4.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Benzene	ND		5.4	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
2-Butanone (MEK)	ND	*1	5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
2-Hexanone	ND	*1	5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Styrene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Tetrachloroethene	ND	*+	5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Toluene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1

Client Sample ID: SSHS-ISMP-BB-S1
Lab Sample ID: 180-151738-1

Date Collected: 02/08/23 09:50
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND	*+	5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*02/13/23 07:32*	*02/13/23 19:05*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*02/13/23 07:32*	*02/13/23 19:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*02/13/23 07:32*	*02/13/23 19:05*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*02/13/23 07:32*	*02/13/23 19:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Acenaphthylene	ND		72	16	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Acetophenone	ND		720	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Anthracene	ND		72	19	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Atrazine	ND		720	160	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Benzaldehyde	ND		720	45	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Benzo[b]fluoranthene	**51**	**J**	72	18	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Benzo[g,h,i]perylene	**53**	**J**	72	16	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Benzo[k]fluoranthene	**26**	**J**	72	22	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Caprolactam	ND		1800	230	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Carbazole	ND		72	17	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Chrysene	ND		72	40	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Dibenzofuran	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
3,3'-Dichlorobenzidine	ND		360	330	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1

Client Sample ID: SSHS-ISMP-BB-S1
Lab Sample ID: 180-151738-1

Date Collected: 02/08/23 09:50
Matrix: Solid

Date Received: 02/09/23 10:00
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Fluoranthene	**25**	**J**	72	19	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Fluorene	ND		72	14	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Hexachloroethane	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Indeno[1,2,3-cd]pyrene	**36**	**J**	72	36	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Isophorone	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2-Methylphenol	ND		360	100	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Naphthalene	ND		72	14	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Nitrobenzene	ND		720	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Phenanthrene	ND		72	19	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Phenol	ND		360	110	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
Pyrene	**21**	**J**	72	17	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,4,5-Trichlorophenol	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*44 - 105*	*02/10/23 13:24*	*02/15/23 17:54*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*02/10/23 13:24*	*02/15/23 17:54*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 105*	*02/10/23 13:24*	*02/15/23 17:54*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*02/10/23 13:24*	*02/15/23 17:54*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*02/10/23 13:24*	*02/15/23 17:54*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*02/10/23 13:24*	*02/15/23 17:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1221	ND		18	6.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1232	ND		18	4.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1242	ND		18	2.7	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1248	ND		18	4.4	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1254	ND		18	5.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1260	ND		18	5.2	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1

Client Sample ID: SSHS-ISMP-BB-S1
Lab Sample ID: 180-151738-1
Date Collected: 02/08/23 09:50
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1
PCB-1268	ND		18	2.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*02/13/23 03:07*	*02/15/23 10:19*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*02/13/23 03:07*	*02/15/23 10:19*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*55 - 135*	*02/13/23 03:07*	*02/15/23 10:19*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*02/13/23 03:07*	*02/15/23 10:19*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5500**		21	5.3	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Antimony	**0.94**	**J**	1.1	0.32	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Arsenic	**8.1**		1.1	0.67	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Barium	**54**		21	3.8	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Beryllium	**0.27**	**J**	0.43	0.12	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Cadmium	**0.30**	**J**	0.53	0.078	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Calcium	**3900**		530	69	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Chromium	**11**		0.53	0.48	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Cobalt	**5.1**	**J**	5.3	0.75	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Copper	**44**		2.7	1.6	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Iron	**20000**		11	10	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Lead	**18**		1.1	0.93	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Magnesium	**2500**		530	58	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Manganese	**650**		1.6	0.30	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Nickel	**19**		4.3	0.54	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Potassium	**390**	**J**	530	91	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Selenium	ND		1.1	0.49	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Silver	ND		0.53	0.11	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Sodium	ND		530	54	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Thallium	ND		2.1	0.30	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Vanadium	**11**		5.3	0.84	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1
Zinc	**79**		2.1	1.5	mg/Kg	☼	02/14/23 09:04	02/15/23 20:54	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.034	0.022	mg/Kg	☼	02/16/23 10:30	02/17/23 17:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.6**		0.1	0.1	%			02/11/23 16:49	1
Percent Solids (SM22 2540G)	**90.4**		0.1	0.1	%			02/11/23 16:49	1

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2
Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	20	4.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Benzene	ND		5.1	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2
Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 93.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.1	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
2-Butanone (MEK)	ND	*1	5.1	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
2-Hexanone	ND	*1	5.1	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Styrene	ND		5.1	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Tetrachloroethene	ND	*+	5.1	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Toluene	ND		5.1	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Trichloroethene	ND	*+	5.1	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2

Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 93.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	02/13/23 07:32	02/13/23 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*02/13/23 07:32*	*02/13/23 19:28*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*02/13/23 07:32*	*02/13/23 19:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*02/13/23 07:32*	*02/13/23 19:28*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/13/23 07:32*	*02/13/23 19:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Acenaphthylene	ND		70	15	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Acetophenone	ND		700	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Anthracene	ND		70	18	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Atrazine	ND		700	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Benzaldehyde	ND		700	43	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Caprolactam	ND		1800	230	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Carbazole	ND		70	16	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Chrysene	ND		70	39	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Dibenzofuran	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1

Client Sample ID: SSHS-ISMP-BB-S2
Lab Sample ID: 180-151738-2

Date Collected: 02/08/23 10:00
Matrix: Solid

Date Received: 02/09/23 10:00
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		700	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Fluoranthene	**21**	**J**	70	18	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Fluorene	ND		70	14	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Hexachloroethane	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Isophorone	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2-Methylphenol	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Naphthalene	ND		70	14	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Nitrobenzene	ND		700	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Phenanthrene	ND		70	19	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Phenol	ND		350	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
Pyrene	**17**	**J**	70	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*44 - 105*	*02/10/23 13:24*	*02/15/23 18:15*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*02/10/23 13:24*	*02/15/23 18:15*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*02/10/23 13:24*	*02/15/23 18:15*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*02/10/23 13:24*	*02/15/23 18:15*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*02/10/23 13:24*	*02/15/23 18:15*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*02/10/23 13:24*	*02/15/23 18:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1221	ND		18	6.3	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1232	ND		18	4.3	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1242	ND		18	2.6	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1248	ND		18	4.2	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1254	**1100**		18	5.3	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1260	ND		18	5.0	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1262	ND		18	6.2	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1
PCB-1268	ND		18	2.4	ug/Kg	☼	02/13/23 03:07	02/15/23 10:37	1

Client Sample ID: SSHS-ISMP-BB-S2

Lab Sample ID: 180-151738-2
Date Collected: 02/08/23 10:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 93.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*02/13/23 03:07*	*02/15/23 10:37*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*02/13/23 03:07*	*02/15/23 10:37*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*55 - 135*	*02/13/23 03:07*	*02/15/23 10:37*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*02/13/23 03:07*	*02/15/23 10:37*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3900**		10	2.6	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Antimony	ND		0.52	0.16	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Arsenic	**3.7**		0.52	0.33	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Barium	**33**		10	1.8	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Beryllium	**0.17**	**J**	0.21	0.057	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Cadmium	**0.073**	**J**	0.26	0.038	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Calcium	**26000**		260	34	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Chromium	**5.5**		0.26	0.24	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Cobalt	**4.1**		2.6	0.37	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Copper	**16**		1.3	0.78	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Iron	**9900**		5.2	5.1	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Lead	**9.8**		0.52	0.45	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Magnesium	**4000**		260	28	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Manganese	**240**		0.78	0.14	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Nickel	**11**		2.1	0.26	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Potassium	**260**		260	44	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Selenium	**0.48**	**J**	0.52	0.24	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Silver	ND		0.26	0.054	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Sodium	**42**	**J**	260	27	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Thallium	ND		1.0	0.15	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Vanadium	**6.3**		2.6	0.41	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1
Zinc	**41**		1.0	0.75	mg/Kg	☼	02/14/23 09:04	02/15/23 20:59	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.031	0.020	mg/Kg	☼	02/16/23 10:30	02/17/23 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.4**		0.1	0.1	%			02/11/23 16:49	1
Percent Solids (SM22 2540G)	**93.6**		0.1	0.1	%			02/11/23 16:49	1

Client Sample ID: SSHS-ISMP-BB-S3

Lab Sample ID: 180-151738-3
Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Benzene	ND		5.0	1.4	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-S3
Lab Sample ID: 180-151738-3
Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 94.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Styrene	ND		5.0	1.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Toluene	ND		5.0	1.4	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Vinyl chloride	ND	*-	5.0	3.6	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	02/14/23 07:32	02/14/23 21:26	1

Client Sample ID: SSHS-ISMP-BB-S3

Lab Sample ID: 180-151738-3

Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 94.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*02/14/23 07:32*	*02/14/23 21:26*	*1*
Dibromofluoromethane (Surr)	*78*		*69 - 126*	*02/14/23 07:32*	*02/14/23 21:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*73 - 135*	*02/14/23 07:32*	*02/14/23 21:26*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*02/14/23 07:32*	*02/14/23 21:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Acenaphthylene	ND		71	15	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Acetophenone	ND		710	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Anthracene	ND		71	18	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Atrazine	ND		710	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Benzaldehyde	ND		710	44	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Caprolactam	ND		1800	230	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Carbazole	ND		71	16	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Chrysene	ND		71	39	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Dibenzofuran	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Fluoranthene	ND		71	19	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Fluorene	ND		71	14	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1

Client Sample ID: SSHS-ISMP-BB-S3
Lab Sample ID: 180-151738-3
Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Hexachloroethane	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Isophorone	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2-Methylphenol	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Naphthalene	ND		71	14	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Nitrobenzene	ND		710	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Phenanthrene	ND		71	19	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Phenol	ND		350	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
Pyrene	ND		71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*44 - 105*	*02/10/23 13:24*	*02/15/23 18:37*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*02/10/23 13:24*	*02/15/23 18:37*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*	*02/10/23 13:24*	*02/15/23 18:37*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*02/10/23 13:24*	*02/15/23 18:37*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*02/10/23 13:24*	*02/15/23 18:37*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*02/10/23 13:24*	*02/15/23 18:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1221	ND		17	6.0	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1232	ND		17	4.2	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1242	ND		17	2.5	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1248	ND		17	4.1	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1254	ND		17	5.1	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1260	ND		17	4.9	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1262	ND		17	6.0	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1
PCB-1268	ND		17	2.3	ug/Kg	☼	02/13/23 03:07	02/15/23 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*02/13/23 03:07*	*02/15/23 10:55*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*02/13/23 03:07*	*02/15/23 10:55*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*55 - 135*	*02/13/23 03:07*	*02/15/23 10:55*	*1*

Client Sample ID: SSHS-ISMP-BB-S3
Lab Sample ID: 180-151738-3
Date Collected: 02/08/23 10:10
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 94.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*02/13/23 03:07*	*02/15/23 10:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4500**		18	4.6	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Antimony	ND		0.91	0.28	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Arsenic	**5.4**		0.91	0.57	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Barium	**43**		18	3.2	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Beryllium	**0.21**	**J**	0.36	0.099	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Cadmium	**0.15**	**J**	0.46	0.067	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Calcium	**110000**		2300	290	mg/Kg	☼	02/14/23 09:04	02/16/23 12:04	5
Chromium	**5.8**		0.46	0.41	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Cobalt	**4.5**	**J**	4.6	0.64	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Copper	**18**		2.3	1.4	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Iron	**12000**		9.1	8.9	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Lead	**10**		0.91	0.79	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Magnesium	**5700**		460	50	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Manganese	**350**		1.4	0.25	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Nickel	**12**		3.6	0.46	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Potassium	**340**	**J**	460	78	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Selenium	**0.54**	**J**	0.91	0.42	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Silver	ND		0.46	0.095	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Sodium	**76**	**J**	460	47	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Thallium	ND		1.8	0.26	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Vanadium	**6.7**		4.6	0.72	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1
Zinc	**51**		1.8	1.3	mg/Kg	☼	02/14/23 09:04	02/15/23 21:04	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.020	mg/Kg	☼	02/16/23 10:30	02/17/23 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.5**		0.1	0.1	%			02/11/23 16:49	1
Percent Solids (SM22 2540G)	**94.5**		0.1	0.1	%			02/11/23 16:49	1

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4
Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	21	4.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Benzene	ND		5.3	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
2-Butanone (MEK)	ND	*1	5.3	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4
Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
2-Hexanone	ND	*1	5.3	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Styrene	ND		5.3	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Tetrachloroethene	ND	*+	5.3	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Toluene	ND		5.3	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Trichloroethene	ND	*+	5.3	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*02/13/23 07:32*	*02/13/23 20:14*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*02/13/23 07:32*	*02/13/23 20:14*	*1*

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4
Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*02/13/23 07:32*	*02/13/23 20:14*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*02/13/23 07:32*	*02/13/23 20:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Acenaphthylene	**220**		73	16	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Acetophenone	ND		730	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Anthracene	**160**		73	19	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Atrazine	ND		730	160	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Benzaldehyde	ND		730	45	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Benzo[a]anthracene	**740**		73	33	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Benzo[a]pyrene	**560**		73	32	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Benzo[b]fluoranthene	**800**		73	18	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Benzo[g,h,i]perylene	**340**		73	16	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Benzo[k]fluoranthene	**300**		73	22	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Caprolactam	ND		1900	240	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Carbazole	**31**	**J**	73	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Chrysene	**660**		73	40	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Dibenz(a,h)anthracene	**130**		73	47	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Dibenzofuran	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Fluoranthene	**1200**		73	19	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Fluorene	**18**	**J**	73	14	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4

Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Indeno[1,2,3-cd]pyrene	**340**		73	36	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Isophorone	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2-Methylnaphthalene	**50**	**J**	73	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2-Methylphenol	ND		360	100	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Naphthalene	**45**	**J**	73	14	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Nitrobenzene	ND		730	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Phenanthrene	**150**		73	20	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Phenol	ND		360	110	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
Pyrene	**880**		73	17	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	02/10/23 13:24	02/15/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*44 - 105*	*02/10/23 13:24*	*02/15/23 18:58*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*02/10/23 13:24*	*02/15/23 18:58*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 105*	*02/10/23 13:24*	*02/15/23 18:58*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*02/10/23 13:24*	*02/15/23 18:58*	*1*
Terphenyl-d14 (Surr)	*63*		*39 - 105*	*02/10/23 13:24*	*02/15/23 18:58*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*02/10/23 13:24*	*02/15/23 18:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1221	ND		19	6.6	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1232	ND		19	4.5	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1242	ND		19	2.7	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1248	ND		19	4.4	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1254	**13**	**J**	19	5.6	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1260	ND		19	5.3	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1262	ND		19	6.5	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1
PCB-1268	ND		19	2.5	ug/Kg	☼	02/13/23 03:07	02/15/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*63 - 138*	*02/13/23 03:07*	*02/15/23 11:12*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*02/13/23 03:07*	*02/15/23 11:12*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*	*02/13/23 03:07*	*02/15/23 11:12*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*02/13/23 03:07*	*02/15/23 11:12*	*1*

Client Sample ID: SSHS-ISMP-BB-S4
Lab Sample ID: 180-151738-4
Date Collected: 02/08/23 10:20
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 90.0

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5300		15	3.7	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Antimony	0.40	J	0.74	0.22	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Arsenic	8.1		0.74	0.46	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Barium	82		15	2.6	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Beryllium	0.33		0.30	0.081	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Cadmium	0.13	J	0.37	0.054	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Calcium	7100		370	48	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Chromium	9.8		0.37	0.34	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Cobalt	5.7		3.7	0.52	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Copper	32		1.9	1.1	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Iron	17000		7.4	7.2	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Lead	43		0.74	0.65	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Magnesium	2500		370	41	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Manganese	510		1.1	0.21	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Nickel	15		3.0	0.37	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Potassium	330	J	370	63	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Selenium	0.44	J	0.74	0.34	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Silver	ND		0.37	0.077	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Sodium	48	J	370	38	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Thallium	ND		1.5	0.21	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Vanadium	10		3.7	0.59	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1
Zinc	71		1.5	1.1	mg/Kg	☼	02/14/23 09:04	02/15/23 21:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.49		0.033	0.021	mg/Kg	☼	02/16/23 10:30	02/17/23 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10		0.1	0.1	%			02/11/23 16:49	1
Percent Solids (SM22 2540G)	90.0		0.1	0.1	%			02/11/23 16:49	1

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5
Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	22	4.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Benzene	ND		5.4	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
2-Butanone (MEK)	ND	*1	5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5
Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 91.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.4	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
2-Hexanone	ND	*1	5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Styrene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Tetrachloroethene	ND	F1 *+	5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Toluene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Trichloroethene	ND	F1 *+	5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Vinyl chloride	ND	F1	5.4	3.9	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	02/13/23 07:32	02/13/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*02/13/23 07:32*	*02/13/23 16:27*	*1*
Dibromofluoromethane (Surr)	*119*		*69 - 126*	*02/13/23 07:32*	*02/13/23 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*02/13/23 07:32*	*02/13/23 16:27*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*02/13/23 07:32*	*02/13/23 16:27*	*1*

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5

Date Collected: 02/08/23 10:30
Matrix: Solid

Date Received: 02/09/23 10:00
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**28**	**J**	71	20	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Acenaphthylene	**640**		71	16	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Acetophenone	ND		710	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Anthracene	**770**		71	18	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Atrazine	ND		710	160	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Benzaldehyde	ND	F1	710	44	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Benzo[a]anthracene	**5400**	**F1**	71	32	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Benzo[a]pyrene	**3400**	**F1**	71	31	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Benzo[b]fluoranthene	**4500**	**F1**	71	17	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Benzo[g,h,i]perylene	**2000**		71	15	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Benzo[k]fluoranthene	**1600**		71	21	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Caprolactam	ND		1800	230	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Carbazole	**110**		71	17	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Chrysene	**4100**	**F1**	71	39	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Dibenz(a,h)anthracene	**750**		71	45	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Dibenzofuran	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4,6-Dinitro-2-methylphenol	ND	F1	1800	610	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,4-Dinitrophenol	ND	F1	3500	2200	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Fluoranthene	**6600**	**F1**	71	19	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Fluorene	**84**		71	14	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Hexachloroethane	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Indeno[1,2,3-cd]pyrene	**2100**		71	35	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Isophorone	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2-Methylnaphthalene	**140**		71	17	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2-Methylphenol	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5
Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Naphthalene	**200**		71	14	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Nitrobenzene	ND		710	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2-Nitrophenol	ND	F1	350	130	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
4-Nitrophenol	ND	F1	1800	250	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Pentachlorophenol	ND	F1	1800	570	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Phenanthrene	**650**		71	19	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Phenol	ND		350	110	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
Pyrene	**7000**	**F1**	71	17	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,3,4,6-Tetrachlorophenol	ND	F1	350	150	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,4,5-Trichlorophenol	ND	F1	350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1
2,4,6-Trichlorophenol	ND	F1	350	120	ug/Kg	☼	02/10/23 13:24	02/16/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*44 - 105*	*02/10/23 13:24*	*02/16/23 14:31*	*1*
2-Fluorophenol (Surr)	*56*		*48 - 105*	*02/10/23 13:24*	*02/16/23 14:31*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*	*02/10/23 13:24*	*02/16/23 14:31*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*02/10/23 13:24*	*02/16/23 14:31*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*02/10/23 13:24*	*02/16/23 14:31*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*34 - 108*	*02/10/23 13:24*	*02/16/23 14:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1221	ND		18	6.4	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1232	ND		18	4.4	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1242	ND		18	2.7	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1248	ND		18	4.3	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1254	**43**		18	5.4	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1260	ND		18	5.1	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1262	ND		18	6.4	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1
PCB-1268	ND		18	2.4	ug/Kg	☼	02/13/23 03:07	02/15/23 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*02/13/23 03:07*	*02/15/23 08:33*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*02/13/23 03:07*	*02/15/23 08:33*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*55 - 135*	*02/13/23 03:07*	*02/15/23 08:33*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*	*02/13/23 03:07*	*02/15/23 08:33*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3400**	**F2**	18	4.4	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Antimony	**0.28**	**J F1**	0.88	0.27	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1

Client Sample ID: SSHS-ISMP-BB-B1
Lab Sample ID: 180-151738-5

Date Collected: 02/08/23 10:30
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5	F2	0.88	0.55	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Barium	42	F2	18	3.1	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Beryllium	0.18	J F2 F1	0.35	0.096	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Cadmium	0.11	J F2	0.44	0.065	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Calcium	17000	F2	440	57	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Chromium	14	F2 F1	0.44	0.40	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Cobalt	3.1	J F2	4.4	0.62	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Copper	24	F2 F1	2.2	1.3	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Iron	10000	F2	8.8	8.6	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Lead	49	F2 F1	0.88	0.77	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Magnesium	2100	F1	440	48	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Manganese	220		1.3	0.25	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Nickel	12	F2 F1	3.5	0.44	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Potassium	400	J F2 F1	440	75	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Selenium	ND	F2 F1	0.88	0.41	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Silver	ND	F1	0.44	0.092	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Sodium	86	J F2 F1	440	45	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Thallium	ND	F2 F1	1.8	0.25	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Vanadium	8.0	F2 F1	4.4	0.70	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1
Zinc	66	F2 F1	1.8	1.3	mg/Kg	☼	02/14/23 09:04	02/15/23 21:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43	F1	0.031	0.020	mg/Kg	☼	02/16/23 10:30	02/17/23 17:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.6		0.1	0.1	%			02/11/23 16:49	1
Percent Solids (SM22 2540G)	91.4		0.1	0.1	%			02/11/23 16:49	1

Client Sample ID: SSHS-ISMP-BB-DUP1
Lab Sample ID: 180-151738-6

Date Collected: 02/08/23 00:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	22	4.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Benzene	ND		5.4	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
2-Butanone (MEK)	ND	*1	5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1

Client Sample ID: SSHS-ISMP-BB-DUP1
Lab Sample ID: 180-151738-6
Date Collected: 02/08/23 00:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 92.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
2-Hexanone	ND	*1	5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Styrene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Tetrachloroethene	ND	*+	5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Toluene	ND		5.4	1.6	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Trichloroethene	ND	*+	5.4	1.7	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	02/13/23 07:32	02/13/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*02/13/23 07:32*	*02/13/23 20:36*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*02/13/23 07:32*	*02/13/23 20:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*02/13/23 07:32*	*02/13/23 20:36*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*02/13/23 07:32*	*02/13/23 20:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1

Client Sample ID: SSHS-ISMP-BB-DUP1
Lab Sample ID: 180-151738-6
Date Collected: 02/08/23 00:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**270**		71	16	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Acetophenone	ND		710	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Anthracene	**270**		71	18	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Atrazine	ND		710	160	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Benzaldehyde	ND		710	44	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Benzo[a]anthracene	**1100**		71	32	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Benzo[a]pyrene	**720**		71	31	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Benzo[b]fluoranthene	**1100**		71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Benzo[g,h,i]perylene	**540**		71	15	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Benzo[k]fluoranthene	**410**		71	21	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Caprolactam	ND		1800	230	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Carbazole	**45**	**J**	71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Chrysene	**970**		71	39	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Dibenz(a,h)anthracene	**190**		71	45	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Dibenzofuran	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Fluoranthene	**1500**		71	19	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Fluorene	ND		71	14	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Hexachloroethane	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Indeno[1,2,3-cd]pyrene	**540**		71	35	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Isophorone	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2-Methylnaphthalene	**110**		71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2-Methylphenol	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1

Client Sample ID: SSHS-ISMP-BB-DUP1
Date Collected: 02/08/23 00:00
Date Received: 02/09/23 10:00

Lab Sample ID: 180-151738-6
Matrix: Solid
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**110**		71	14	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Nitrobenzene	ND		710	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Phenanthrene	**220**		71	19	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Phenol	ND		350	110	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
Pyrene	**1300**		71	17	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	02/10/23 13:24	02/15/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*02/10/23 13:24*	*02/15/23 19:20*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*02/10/23 13:24*	*02/15/23 19:20*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*02/10/23 13:24*	*02/15/23 19:20*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*02/10/23 13:24*	*02/15/23 19:20*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*02/10/23 13:24*	*02/15/23 19:20*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*02/10/23 13:24*	*02/15/23 19:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1221	ND		18	6.4	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1232	ND		18	4.4	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1242	ND		18	2.6	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1248	**63**		18	4.3	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1254	**41**		18	5.4	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1260	ND		18	5.1	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1262	ND		18	6.4	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1
PCB-1268	ND		18	2.4	ug/Kg	☼	02/13/23 03:07	02/15/23 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*02/13/23 03:07*	*02/15/23 11:30*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*02/13/23 03:07*	*02/15/23 11:30*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*02/13/23 03:07*	*02/15/23 11:30*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*02/13/23 03:07*	*02/15/23 11:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4600**		19	4.7	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Antimony	**0.46**	**J**	0.94	0.28	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Arsenic	**6.9**		0.94	0.59	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: SSHS-ISMP-BB-DUP1
Lab Sample ID: 180-151738-6

Date Collected: 02/08/23 00:00
Matrix: Solid
Date Received: 02/09/23 10:00
Percent Solids: 92.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	69		19	3.3	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Beryllium	0.46		0.37	0.10	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Cadmium	0.17	J	0.47	0.069	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Calcium	25000		470	60	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Chromium	16		0.47	0.43	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Cobalt	4.9		4.7	0.66	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Copper	37		2.3	1.4	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Iron	16000		9.4	9.1	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Lead	55		0.94	0.82	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Magnesium	6600		470	51	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Manganese	310		1.4	0.26	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Nickel	17		3.7	0.47	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Potassium	460	J	470	80	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Selenium	0.68	J	0.94	0.43	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Silver	ND		0.47	0.097	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Sodium	83	J	470	48	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Thallium	ND		1.9	0.27	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Vanadium	11		4.7	0.74	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1
Zinc	88		1.9	1.4	mg/Kg	☼	02/14/23 09:04	02/15/23 21:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.55		0.028	0.018	mg/Kg	☼	02/16/23 10:30	02/17/23 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.9		0.1	0.1	%			02/11/23 16:49	1
Percent Solids (SM22 2540G)	92.1		0.1	0.1	%			02/11/23 16:49	1

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

Lab Sample ID: MB 180-426112/9
Matrix: Solid
Analysis Batch: 426112

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	20	3.9	ug/Kg			02/13/23 12:39	1
Benzene	ND	*3	5.0	1.4	ug/Kg			02/13/23 12:39	1
Bromoform	ND		5.0	2.5	ug/Kg			02/13/23 12:39	1
Bromomethane	ND	*3	5.0	2.3	ug/Kg			02/13/23 12:39	1
2-Butanone (MEK)	ND	*3	5.0	2.5	ug/Kg			02/13/23 12:39	1
Carbon disulfide	ND	*3	5.0	4.0	ug/Kg			02/13/23 12:39	1
Carbon tetrachloride	ND	*3	5.0	2.0	ug/Kg			02/13/23 12:39	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			02/13/23 12:39	1
Chlorobromomethane	ND	*3	5.0	3.0	ug/Kg			02/13/23 12:39	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			02/13/23 12:39	1
Chloroethane	ND	*3	5.0	2.9	ug/Kg			02/13/23 12:39	1
Chloroform	ND	*3	5.0	1.6	ug/Kg			02/13/23 12:39	1
Chloromethane	ND	*3	5.0	2.0	ug/Kg			02/13/23 12:39	1
cis-1,2-Dichloroethene	ND	*3	5.0	1.5	ug/Kg			02/13/23 12:39	1
cis-1,3-Dichloropropene	ND	*3	5.0	2.2	ug/Kg			02/13/23 12:39	1
Cyclohexane	ND	*3	5.0	2.4	ug/Kg			02/13/23 12:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			02/13/23 12:39	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			02/13/23 12:39	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			02/13/23 12:39	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			02/13/23 12:39	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			02/13/23 12:39	1
Dichlorobromomethane	ND	*3	5.0	2.3	ug/Kg			02/13/23 12:39	1
Dichlorodifluoromethane	ND	*3	5.0	2.5	ug/Kg			02/13/23 12:39	1
1,1-Dichloroethane	ND	*3	5.0	1.6	ug/Kg			02/13/23 12:39	1
1,2-Dichloroethane	ND	*3	5.0	1.4	ug/Kg			02/13/23 12:39	1
1,1-Dichloroethene	ND	*3	5.0	2.3	ug/Kg			02/13/23 12:39	1
1,2-Dichloroethene, Total	ND	*3	10	4.1	ug/Kg			02/13/23 12:39	1
1,2-Dichloropropane	ND	*3	5.0	1.3	ug/Kg			02/13/23 12:39	1
1,4-Dioxane	ND	*3	1000	35	ug/Kg			02/13/23 12:39	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			02/13/23 12:39	1
2-Hexanone	ND		5.0	1.6	ug/Kg			02/13/23 12:39	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			02/13/23 12:39	1
Methyl acetate	ND	*3	25	7.4	ug/Kg			02/13/23 12:39	1
Methylcyclohexane	ND	*3	5.0	2.4	ug/Kg			02/13/23 12:39	1
Methylene Chloride	ND	*3	5.0	4.5	ug/Kg			02/13/23 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			02/13/23 12:39	1
Methyl tert-butyl ether	ND	*3	5.0	1.5	ug/Kg			02/13/23 12:39	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			02/13/23 12:39	1
o-Xylene	ND		5.0	2.0	ug/Kg			02/13/23 12:39	1
Styrene	ND		5.0	1.5	ug/Kg			02/13/23 12:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			02/13/23 12:39	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			02/13/23 12:39	1
Toluene	ND		5.0	1.4	ug/Kg			02/13/23 12:39	1
trans-1,2-Dichloroethene	ND	*3	5.0	1.8	ug/Kg			02/13/23 12:39	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			02/13/23 12:39	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			02/13/23 12:39	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			02/13/23 12:39	1
1,1,1-Trichloroethane	ND	*3	5.0	1.7	ug/Kg			02/13/23 12:39	1

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

Lab Sample ID: MB 180-426112/9
Matrix: Solid
Analysis Batch: 426112

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			02/13/23 12:39	1
Trichloroethene	ND	*3	5.0	1.6	ug/Kg			02/13/23 12:39	1
Trichlorofluoromethane	ND	*3	5.0	4.2	ug/Kg			02/13/23 12:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*3	5.0	2.0	ug/Kg			02/13/23 12:39	1
Vinyl chloride	ND	*3	5.0	3.6	ug/Kg			02/13/23 12:39	1
Xylenes, Total	ND		10	7.2	ug/Kg			02/13/23 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*		*02/13/23 12:39*	*1*
Dibromofluoromethane (Surr)	*113*	*3*	*69 - 126*		*02/13/23 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*	*3*	*73 - 135*		*02/13/23 12:39*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*02/13/23 12:39*	*1*

Lab Sample ID: LCS 180-426112/6
Matrix: Solid
Analysis Batch: 426112

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	20.7		ug/Kg		52	23 - 170
Benzene	40.0	42.0		ug/Kg		105	77 - 120
Bromoform	40.0	33.7		ug/Kg		84	37 - 147
Bromomethane	40.0	26.0		ug/Kg		65	47 - 149
2-Butanone (MEK)	40.0	17.3		ug/Kg		43	39 - 157
Carbon disulfide	40.0	43.2		ug/Kg		108	40 - 156
Carbon tetrachloride	40.0	49.7		ug/Kg		124	73 - 130
Chlorobenzene	40.0	41.9		ug/Kg		105	79 - 122
Chlorobromomethane	40.0	42.5		ug/Kg		106	64 - 128
Chlorodibromomethane	40.0	37.0		ug/Kg		93	60 - 134
Chloroethane	40.0	21.9		ug/Kg		55	37 - 159
Chloroform	40.0	41.2		ug/Kg		103	73 - 126
Chloromethane	40.0	26.5		ug/Kg		66	46 - 151
cis-1,2-Dichloroethene	40.0	42.4		ug/Kg		106	77 - 118
cis-1,3-Dichloropropene	40.0	37.8		ug/Kg		95	73 - 127
Cyclohexane	40.0	42.9		ug/Kg		107	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	22.6		ug/Kg		56	30 - 163
1,2-Dibromoethane	40.0	30.0		ug/Kg		75	59 - 137
1,2-Dichlorobenzene	40.0	40.8		ug/Kg		102	76 - 120
1,3-Dichlorobenzene	40.0	46.8		ug/Kg		117	77 - 121
1,4-Dichlorobenzene	40.0	43.1		ug/Kg		108	79 - 120
Dichlorobromomethane	40.0	38.2		ug/Kg		95	75 - 123
Dichlorodifluoromethane	40.0	26.1		ug/Kg		65	26 - 149
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	73 - 124
1,2-Dichloroethane	40.0	29.9		ug/Kg		75	64 - 140
1,1-Dichloroethene	40.0	42.8		ug/Kg		107	55 - 136
1,2-Dichloroethene, Total	80.0	86.1		ug/Kg		108	77 - 119
1,2-Dichloropropane	40.0	34.4		ug/Kg		86	77 - 119
1,4-Dioxane	800	569	J	ug/Kg		71	18 - 166
Ethylbenzene	40.0	45.6		ug/Kg		114	79 - 119

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

Lab Sample ID: LCS 180-426112/6
Matrix: Solid
Analysis Batch: 426112

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	20.5		ug/Kg		51	42 - 152
Isopropylbenzene	40.0	48.7		ug/Kg		122	70 - 125
Methyl acetate	80.0	47.6		ug/Kg		59	20 - 170
Methylcyclohexane	40.0	46.0		ug/Kg		115	70 - 125
Methylene Chloride	40.0	37.0		ug/Kg		92	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	22.7		ug/Kg		57	51 - 147
Methyl tert-butyl ether	40.0	27.6		ug/Kg		69	58 - 132
m-Xylene & p-Xylene	40.0	45.9		ug/Kg		115	77 - 120
o-Xylene	40.0	44.4		ug/Kg		111	78 - 118
Styrene	40.0	41.2		ug/Kg		103	80 - 120
1,1,2,2-Tetrachloroethane	40.0	24.0		ug/Kg		60	36 - 170
Tetrachloroethene	40.0	56.5	*+	ug/Kg		141	71 - 121
Toluene	40.0	42.3		ug/Kg		106	76 - 120
trans-1,2-Dichloroethene	40.0	43.7		ug/Kg		109	75 - 122
trans-1,3-Dichloropropene	40.0	31.3		ug/Kg		78	68 - 133
1,2,3-Trichlorobenzene	40.0	45.8		ug/Kg		114	29 - 166
1,2,4-Trichlorobenzene	40.0	50.8		ug/Kg		127	22 - 170
1,1,1-Trichloroethane	40.0	47.0		ug/Kg		117	72 - 134
1,1,2-Trichloroethane	40.0	29.1		ug/Kg		73	66 - 128
Trichloroethene	40.0	52.7	*+	ug/Kg		132	69 - 118
Trichlorofluoromethane	40.0	32.6		ug/Kg		81	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	39.2		ug/Kg		98	59 - 135
Vinyl chloride	40.0	27.4		ug/Kg		69	64 - 134
Xylenes, Total	80.0	90.3		ug/Kg		113	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*
Toluene-d8 (Surr)	*109*		*67 - 134*

Lab Sample ID: LCSD 180-426112/7
Matrix: Solid
Analysis Batch: 426112

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	35.5	*1	ug/Kg		89	23 - 170	53	35
Benzene	40.0	42.7		ug/Kg		107	77 - 120	2	20
Bromoform	40.0	34.9		ug/Kg		87	37 - 147	4	23
Bromomethane	40.0	22.1		ug/Kg		55	47 - 149	16	25
2-Butanone (MEK)	40.0	26.9	*1	ug/Kg		67	39 - 157	43	33
Carbon disulfide	40.0	43.1		ug/Kg		108	40 - 156	0	25
Carbon tetrachloride	40.0	50.9		ug/Kg		127	73 - 130	2	21
Chlorobenzene	40.0	42.2		ug/Kg		105	79 - 122	1	20
Chlorobromomethane	40.0	45.8		ug/Kg		114	64 - 128	8	20
Chlorodibromomethane	40.0	39.3		ug/Kg		98	60 - 134	6	40
Chloroethane	40.0	23.0		ug/Kg		58	37 - 159	5	25
Chloroform	40.0	41.5		ug/Kg		104	73 - 126	1	20

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

Lab Sample ID: LCSD 180-426112/7
Matrix: Solid
Analysis Batch: 426112

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	27.1		ug/Kg		68	46 - 151	2	33
cis-1,2-Dichloroethene			40.0	43.6		ug/Kg		109	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	40.7		ug/Kg		102	73 - 127	7	20
Cyclohexane			40.0	42.9		ug/Kg		107	63 - 143	0	25
1,2-Dibromo-3-Chloropropane			40.0	24.7		ug/Kg		62	30 - 163	9	34
1,2-Dibromoethane			40.0	31.7		ug/Kg		79	59 - 137	6	20
1,2-Dichlorobenzene			40.0	41.3		ug/Kg		103	76 - 120	1	20
1,3-Dichlorobenzene			40.0	46.9		ug/Kg		117	77 - 121	0	20
1,4-Dichlorobenzene			40.0	43.3		ug/Kg		108	79 - 120	0	20
Dichlorobromomethane			40.0	40.5		ug/Kg		101	75 - 123	6	20
Dichlorodifluoromethane			40.0	25.6		ug/Kg		64	26 - 149	2	24
1,1-Dichloroethane			40.0	39.9		ug/Kg		100	73 - 124	2	20
1,2-Dichloroethane			40.0	32.0		ug/Kg		80	64 - 140	7	20
1,1-Dichloroethene			40.0	43.8		ug/Kg		109	55 - 136	2	21
1,2-Dichloroethene, Total			80.0	87.9		ug/Kg		110	77 - 119	2	20
1,2-Dichloropropane			40.0	35.9		ug/Kg		90	77 - 119	4	20
1,4-Dioxane			800	659	J	ug/Kg		82	18 - 166	15	40
Ethylbenzene			40.0	45.5		ug/Kg		114	79 - 119	0	20
2-Hexanone			40.0	32.4	*1	ug/Kg		81	42 - 152	45	30
Isopropylbenzene			40.0	47.9		ug/Kg		120	70 - 125	2	21
Methyl acetate			80.0	54.6		ug/Kg		68	20 - 170	14	33
Methylcyclohexane			40.0	47.4		ug/Kg		118	70 - 125	3	22
Methylene Chloride			40.0	39.3		ug/Kg		98	67 - 131	6	32
4-Methyl-2-pentanone (MIBK)			40.0	26.6		ug/Kg		66	51 - 147	16	27
Methyl tert-butyl ether			40.0	30.7		ug/Kg		77	58 - 132	11	24
m-Xylene & p-Xylene			40.0	45.6		ug/Kg		114	77 - 120	1	20
o-Xylene			40.0	44.1		ug/Kg		110	78 - 118	1	20
Styrene			40.0	41.6		ug/Kg		104	80 - 120	1	20
1,1,2,2-Tetrachloroethane			40.0	25.9		ug/Kg		65	36 - 170	8	23
Tetrachloroethene			40.0	54.8	*+	ug/Kg		137	71 - 121	3	21
Toluene			40.0	42.1		ug/Kg		105	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	44.3		ug/Kg		111	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	33.1		ug/Kg		83	68 - 133	6	20
1,2,3-Trichlorobenzene			40.0	48.7		ug/Kg		122	29 - 166	6	40
1,2,4-Trichlorobenzene			40.0	53.0		ug/Kg		133	22 - 170	4	29
1,1,1-Trichloroethane			40.0	47.3		ug/Kg		118	72 - 134	1	20
1,1,2-Trichloroethane			40.0	31.6		ug/Kg		79	66 - 128	8	21
Trichloroethene			40.0	53.3	*+	ug/Kg		133	69 - 118	1	20
Trichlorofluoromethane			40.0	33.8		ug/Kg		84	32 - 149	4	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	41.7		ug/Kg		104	59 - 135	6	28
Vinyl chloride			40.0	29.5		ug/Kg		74	64 - 134	7	23
Xylenes, Total			80.0	89.7		ug/Kg		112	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*113*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*

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

Lab Sample ID: LCSD 180-426112/7
Matrix: Solid
Analysis Batch: 426112

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*111*		*67 - 134*

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426112

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	*1	43.4	32.7		ug/Kg	☼	75	23 - 170
Benzene	ND		43.4	44.2		ug/Kg	☼	102	77 - 120
Bromoform	ND		43.4	38.0		ug/Kg	☼	87	37 - 147
Bromomethane	ND		43.4	20.6		ug/Kg	☼	47	47 - 149
2-Butanone (MEK)	ND	*1	43.4	27.2		ug/Kg	☼	63	39 - 157
Carbon disulfide	ND		43.4	43.7		ug/Kg	☼	101	40 - 156
Carbon tetrachloride	ND		43.4	51.5		ug/Kg	☼	118	73 - 130
Chlorobenzene	ND		43.4	44.8		ug/Kg	☼	103	79 - 122
Chlorobromomethane	ND		43.4	47.6		ug/Kg	☼	110	64 - 128
Chlorodibromomethane	ND		43.4	41.9		ug/Kg	☼	96	60 - 134
Chloroethane	ND		43.4	20.2		ug/Kg	☼	47	37 - 159
Chloroform	ND		43.4	43.4		ug/Kg	☼	100	73 - 126
Chloromethane	ND		43.4	24.9		ug/Kg	☼	57	46 - 151
cis-1,2-Dichloroethene	ND		43.4	43.8		ug/Kg	☼	101	77 - 118
cis-1,3-Dichloropropene	ND		43.4	41.9		ug/Kg	☼	97	73 - 127
Cyclohexane	ND		43.4	43.2		ug/Kg	☼	99	63 - 143
1,2-Dibromo-3-Chloropropane	ND		43.4	25.4		ug/Kg	☼	59	30 - 163
1,2-Dibromoethane	ND		43.4	34.2		ug/Kg	☼	79	59 - 137
1,2-Dichlorobenzene	ND		43.4	43.8		ug/Kg	☼	101	76 - 120
1,3-Dichlorobenzene	ND		43.4	48.8		ug/Kg	☼	112	77 - 121
1,4-Dichlorobenzene	ND		43.4	45.5		ug/Kg	☼	105	79 - 120
Dichlorobromomethane	ND		43.4	42.4		ug/Kg	☼	98	75 - 123
Dichlorodifluoromethane	ND		43.4	25.5		ug/Kg	☼	59	26 - 149
1,1-Dichloroethane	ND		43.4	39.9		ug/Kg	☼	92	73 - 124
1,2-Dichloroethane	ND		43.4	33.4		ug/Kg	☼	77	64 - 140
1,1-Dichloroethene	ND		43.4	43.1		ug/Kg	☼	99	55 - 136
1,2-Dichloroethene, Total	ND		86.9	88.8		ug/Kg	☼	102	77 - 119
1,2-Dichloropropane	ND		43.4	36.2		ug/Kg	☼	83	77 - 119
1,4-Dioxane	ND		869	692	J	ug/Kg	☼	80	18 - 166
Ethylbenzene	ND		43.4	47.8		ug/Kg	☼	110	79 - 119
2-Hexanone	ND	*1	43.4	29.8		ug/Kg	☼	69	42 - 152
Isopropylbenzene	ND		43.4	50.8		ug/Kg	☼	117	70 - 125
Methyl acetate	ND		86.9	54.9		ug/Kg	☼	63	20 - 170
Methylcyclohexane	ND		43.4	47.4		ug/Kg	☼	109	70 - 125
Methylene Chloride	ND		43.4	39.7		ug/Kg	☼	91	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		43.4	28.5		ug/Kg	☼	66	51 - 147
Methyl tert-butyl ether	ND		43.4	31.2		ug/Kg	☼	72	58 - 132
m-Xylene & p-Xylene	ND		43.4	48.2		ug/Kg	☼	111	77 - 120
o-Xylene	ND		43.4	46.4		ug/Kg	☼	107	78 - 118
Styrene	ND		43.4	44.7		ug/Kg	☼	103	80 - 120
1,1,2,2-Tetrachloroethane	ND		43.4	27.5		ug/Kg	☼	63	36 - 170

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

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426112

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND	F1 *+	43.4	57.3	F1	ug/Kg	☼	132	71 - 121
Toluene	ND		43.4	44.5		ug/Kg	☼	102	76 - 120
trans-1,2-Dichloroethene	ND		43.4	45.0		ug/Kg	☼	104	75 - 122
trans-1,3-Dichloropropene	ND		43.4	34.6		ug/Kg	☼	80	68 - 133
1,2,3-Trichlorobenzene	ND		43.4	49.6		ug/Kg	☼	114	29 - 166
1,2,4-Trichlorobenzene	ND		43.4	53.0		ug/Kg	☼	122	22 - 170
1,1,1-Trichloroethane	ND		43.4	47.5		ug/Kg	☼	109	72 - 134
1,1,2-Trichloroethane	ND		43.4	33.0		ug/Kg	☼	76	66 - 128
Trichloroethene	ND	F1 *+	43.4	56.0	F1	ug/Kg	☼	129	69 - 118
Trichlorofluoromethane	ND		43.4	32.1		ug/Kg	☼	74	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		43.4	39.8		ug/Kg	☼	92	59 - 135
Vinyl chloride	ND	F1	43.4	26.0	F1	ug/Kg	☼	60	64 - 134
Xylenes, Total	ND		86.9	94.6		ug/Kg	☼	109	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*
Toluene-d8 (Surr)	*109*		*67 - 134*

Lab Sample ID: 180-151738-5 MSD
Matrix: Solid
Analysis Batch: 426112

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	*1	41.9	38.8		ug/Kg	☼	93	23 - 170	17	35
Benzene	ND		41.9	43.7		ug/Kg	☼	104	77 - 120	1	20
Bromoform	ND		41.9	37.1		ug/Kg	☼	89	37 - 147	2	23
Bromomethane	ND		41.9	23.9		ug/Kg	☼	57	47 - 149	15	25
2-Butanone (MEK)	ND	*1	41.9	32.7		ug/Kg	☼	78	39 - 157	18	33
Carbon disulfide	ND		41.9	44.3		ug/Kg	☼	106	40 - 156	1	25
Carbon tetrachloride	ND		41.9	51.4		ug/Kg	☼	123	73 - 130	0	21
Chlorobenzene	ND		41.9	43.3		ug/Kg	☼	103	79 - 122	3	20
Chlorobromomethane	ND		41.9	45.7		ug/Kg	☼	109	64 - 128	4	20
Chlorodibromomethane	ND		41.9	39.7		ug/Kg	☼	95	60 - 134	5	40
Chloroethane	ND		41.9	23.1		ug/Kg	☼	55	37 - 159	13	25
Chloroform	ND		41.9	42.9		ug/Kg	☼	103	73 - 126	1	20
Chloromethane	ND		41.9	26.6		ug/Kg	☼	64	46 - 151	7	33
cis-1,2-Dichloroethene	ND		41.9	44.1		ug/Kg	☼	105	77 - 118	1	20
cis-1,3-Dichloropropene	ND		41.9	41.3		ug/Kg	☼	99	73 - 127	2	20
Cyclohexane	ND		41.9	43.4		ug/Kg	☼	104	63 - 143	1	25
1,2-Dibromo-3-Chloropropane	ND		41.9	25.2		ug/Kg	☼	60	30 - 163	1	34
1,2-Dibromoethane	ND		41.9	33.3		ug/Kg	☼	80	59 - 137	3	20
1,2-Dichlorobenzene	ND		41.9	42.9		ug/Kg	☼	102	76 - 120	2	20
1,3-Dichlorobenzene	ND		41.9	47.7		ug/Kg	☼	114	77 - 121	2	20
1,4-Dichlorobenzene	ND		41.9	44.3		ug/Kg	☼	106	79 - 120	3	20
Dichlorobromomethane	ND		41.9	41.6		ug/Kg	☼	99	75 - 123	2	20
Dichlorodifluoromethane	ND		41.9	26.8		ug/Kg	☼	64	26 - 149	5	24

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

Lab Sample ID: 180-151738-5 MSD
Client Sample ID: SSHS-ISMP-BB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426112
Prep Batch: 426164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		41.9	40.1		ug/Kg	☼	96	73 - 124	0	20
1,2-Dichloroethane	ND		41.9	33.6		ug/Kg	☼	80	64 - 140	1	20
1,1-Dichloroethene	ND		41.9	45.5		ug/Kg	☼	109	55 - 136	6	21
1,2-Dichloroethene, Total	ND		83.8	88.7		ug/Kg	☼	106	77 - 119	0	20
1,2-Dichloropropane	ND		41.9	36.6		ug/Kg	☼	87	77 - 119	1	20
1,4-Dioxane	ND		838	567	J	ug/Kg	☼	68	18 - 166	20	40
Ethylbenzene	ND		41.9	46.6		ug/Kg	☼	111	79 - 119	3	20
2-Hexanone	ND	*1	41.9	32.7		ug/Kg	☼	78	42 - 152	9	30
Isopropylbenzene	ND		41.9	49.3		ug/Kg	☼	118	70 - 125	3	21
Methyl acetate	ND		83.8	54.4		ug/Kg	☼	65	20 - 170	1	33
Methylcyclohexane	ND		41.9	47.4		ug/Kg	☼	113	70 - 125	0	22
Methylene Chloride	ND		41.9	40.0		ug/Kg	☼	95	67 - 131	1	32
4-Methyl-2-pentanone (MIBK)	ND		41.9	26.0		ug/Kg	☼	62	51 - 147	9	27
Methyl tert-butyl ether	ND		41.9	31.2		ug/Kg	☼	75	58 - 132	0	24
m-Xylene & p-Xylene	ND		41.9	46.6		ug/Kg	☼	111	77 - 120	3	20
o-Xylene	ND		41.9	45.0		ug/Kg	☼	107	78 - 118	3	20
Styrene	ND		41.9	43.2		ug/Kg	☼	103	80 - 120	3	20
1,1,2,2-Tetrachloroethane	ND		41.9	26.6		ug/Kg	☼	64	36 - 170	3	23
Tetrachloroethene	ND	F1 *+	41.9	56.2	F1	ug/Kg	☼	134	71 - 121	2	21
Toluene	ND		41.9	43.1		ug/Kg	☼	103	76 - 120	3	20
trans-1,2-Dichloroethene	ND		41.9	44.6		ug/Kg	☼	107	75 - 122	1	20
trans-1,3-Dichloropropene	ND		41.9	32.6		ug/Kg	☼	78	68 - 133	6	20
1,2,3-Trichlorobenzene	ND		41.9	48.5		ug/Kg	☼	116	29 - 166	2	40
1,2,4-Trichlorobenzene	ND		41.9	53.0		ug/Kg	☼	127	22 - 170	0	29
1,1,1-Trichloroethane	ND		41.9	47.0		ug/Kg	☼	112	72 - 134	1	20
1,1,2-Trichloroethane	ND		41.9	31.9		ug/Kg	☼	76	66 - 128	3	21
Trichloroethene	ND	F1 *+	41.9	53.9	F1	ug/Kg	☼	129	69 - 118	4	20
Trichlorofluoromethane	ND		41.9	33.8		ug/Kg	☼	81	32 - 149	5	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.9	43.6		ug/Kg	☼	104	59 - 135	9	28
Vinyl chloride	ND	F1	41.9	28.0		ug/Kg	☼	67	64 - 134	7	23
Xylenes, Total	ND		83.8	91.6		ug/Kg	☼	109	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: MB 180-426222/14
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			02/14/23 14:54	1
Benzene	ND		5.0	1.4	ug/Kg			02/14/23 14:54	1
Bromoform	ND		5.0	2.5	ug/Kg			02/14/23 14:54	1
Bromomethane	ND		5.0	2.3	ug/Kg			02/14/23 14:54	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			02/14/23 14:54	1

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

Lab Sample ID: MB 180-426222/14
Matrix: Solid
Analysis Batch: 426222

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			02/14/23 14:54	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			02/14/23 14:54	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			02/14/23 14:54	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			02/14/23 14:54	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			02/14/23 14:54	1
Chloroethane	ND		5.0	2.9	ug/Kg			02/14/23 14:54	1
Chloroform	ND		5.0	1.6	ug/Kg			02/14/23 14:54	1
Chloromethane	ND		5.0	2.0	ug/Kg			02/14/23 14:54	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			02/14/23 14:54	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			02/14/23 14:54	1
Cyclohexane	ND		5.0	2.4	ug/Kg			02/14/23 14:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			02/14/23 14:54	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			02/14/23 14:54	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			02/14/23 14:54	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			02/14/23 14:54	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			02/14/23 14:54	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			02/14/23 14:54	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			02/14/23 14:54	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			02/14/23 14:54	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			02/14/23 14:54	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			02/14/23 14:54	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			02/14/23 14:54	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			02/14/23 14:54	1
1,4-Dioxane	ND		1000	35	ug/Kg			02/14/23 14:54	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			02/14/23 14:54	1
2-Hexanone	ND		5.0	1.6	ug/Kg			02/14/23 14:54	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			02/14/23 14:54	1
Methyl acetate	ND		25	7.4	ug/Kg			02/14/23 14:54	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			02/14/23 14:54	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			02/14/23 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			02/14/23 14:54	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			02/14/23 14:54	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			02/14/23 14:54	1
o-Xylene	ND		5.0	2.0	ug/Kg			02/14/23 14:54	1
Styrene	ND		5.0	1.5	ug/Kg			02/14/23 14:54	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			02/14/23 14:54	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			02/14/23 14:54	1
Toluene	ND		5.0	1.4	ug/Kg			02/14/23 14:54	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			02/14/23 14:54	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			02/14/23 14:54	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			02/14/23 14:54	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			02/14/23 14:54	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			02/14/23 14:54	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			02/14/23 14:54	1
Trichloroethene	ND		5.0	1.6	ug/Kg			02/14/23 14:54	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			02/14/23 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			02/14/23 14:54	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			02/14/23 14:54	1
Xylenes, Total	ND		10	7.2	ug/Kg			02/14/23 14:54	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		60 - 124		02/14/23 14:54	1
Dibromofluoromethane (Surr)	94		69 - 126		02/14/23 14:54	1
1,2-Dichloroethane-d4 (Surr)	91		73 - 135		02/14/23 14:54	1
Toluene-d8 (Surr)	115		67 - 134		02/14/23 14:54	1

Lab Sample ID: LCS 180-426222/12
Matrix: Solid
Analysis Batch: 426222

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	58.2		ug/Kg		146	23 - 170
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	35.2		ug/Kg		88	37 - 147
Bromomethane	40.0	27.9		ug/Kg		70	47 - 149
2-Butanone (MEK)	40.0	50.2		ug/Kg		126	39 - 157
Carbon disulfide	40.0	35.9		ug/Kg		90	40 - 156
Carbon tetrachloride	40.0	38.5		ug/Kg		96	73 - 130
Chlorobenzene	40.0	43.0		ug/Kg		107	79 - 122
Chlorobromomethane	40.0	37.3		ug/Kg		93	64 - 128
Chlorodibromomethane	40.0	37.3		ug/Kg		93	60 - 134
Chloroethane	40.0	36.7		ug/Kg		92	37 - 159
Chloroform	40.0	35.5		ug/Kg		89	73 - 126
Chloromethane	40.0	19.1		ug/Kg		48	46 - 151
cis-1,2-Dichloroethene	40.0	39.3		ug/Kg		98	77 - 118
cis-1,3-Dichloropropene	40.0	41.7		ug/Kg		104	73 - 127
Cyclohexane	40.0	38.2		ug/Kg		96	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	32.1		ug/Kg		80	30 - 163
1,2-Dibromoethane	40.0	38.5		ug/Kg		96	59 - 137
1,2-Dichlorobenzene	40.0	40.9		ug/Kg		102	76 - 120
1,3-Dichlorobenzene	40.0	44.6		ug/Kg		111	77 - 121
1,4-Dichlorobenzene	40.0	43.3		ug/Kg		108	79 - 120
Dichlorobromomethane	40.0	35.2		ug/Kg		88	75 - 123
Dichlorodifluoromethane	40.0	15.0		ug/Kg		37	26 - 149
1,1-Dichloroethane	40.0	38.2		ug/Kg		95	73 - 124
1,2-Dichloroethane	40.0	35.9		ug/Kg		90	64 - 140
1,1-Dichloroethene	40.0	38.3		ug/Kg		96	55 - 136
1,2-Dichloroethene, Total	80.0	78.4		ug/Kg		98	77 - 119
1,2-Dichloropropane	40.0	38.9		ug/Kg		97	77 - 119
1,4-Dioxane	800	733	J	ug/Kg		92	18 - 166
Ethylbenzene	40.0	44.5		ug/Kg		111	79 - 119
2-Hexanone	40.0	52.2		ug/Kg		130	42 - 152
Isopropylbenzene	40.0	42.8		ug/Kg		107	70 - 125
Methyl acetate	80.0	55.1		ug/Kg		69	20 - 170
Methylcyclohexane	40.0	42.5		ug/Kg		106	70 - 125
Methylene Chloride	40.0	35.9		ug/Kg		90	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	41.8		ug/Kg		104	51 - 147
Methyl tert-butyl ether	40.0	34.3		ug/Kg		86	58 - 132
m-Xylene & p-Xylene	40.0	43.6		ug/Kg		109	77 - 120
o-Xylene	40.0	42.8		ug/Kg		107	78 - 118
Styrene	40.0	42.3		ug/Kg		106	80 - 120
1,1,2,2-Tetrachloroethane	40.0	32.3		ug/Kg		81	36 - 170

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

Lab Sample ID: LCS 180-426222/12
Matrix: Solid
Analysis Batch: 426222

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	48.3		ug/Kg		121	71 - 121
Toluene	40.0	45.2		ug/Kg		113	76 - 120
trans-1,2-Dichloroethene	40.0	39.1		ug/Kg		98	75 - 122
trans-1,3-Dichloropropene	40.0	39.2		ug/Kg		98	68 - 133
1,2,3-Trichlorobenzene	40.0	40.9		ug/Kg		102	29 - 166
1,2,4-Trichlorobenzene	40.0	42.4		ug/Kg		106	22 - 170
1,1,1-Trichloroethane	40.0	38.3		ug/Kg		96	72 - 134
1,1,2-Trichloroethane	40.0	40.7		ug/Kg		102	66 - 128
Trichloroethene	40.0	42.7		ug/Kg		107	69 - 118
Trichlorofluoromethane	40.0	37.4		ug/Kg		93	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.9		ug/Kg		87	59 - 135
Vinyl chloride	40.0	24.4	*-	ug/Kg		61	64 - 134
Xylenes, Total	80.0	86.4		ug/Kg		108	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*
Toluene-d8 (Surr)	*116*		*67 - 134*

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

Lab Sample ID: MB 180-425960/1-A
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Acenaphthylene	ND		67	15	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Acetophenone	ND		670	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Anthracene	ND		67	17	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Atrazine	ND		670	150	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Benzaldehyde	ND		670	41	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Benzo[a]anthracene	ND		67	30	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Benzo[a]pyrene	ND		67	29	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
1,1'-Biphenyl	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Caprolactam	ND		1700	220	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Carbazole	ND		67	16	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4-Chloroaniline	ND		330	88	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1

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

Lab Sample ID: MB 180-425960/1-A
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		67	15	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2-Chlorophenol	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Chrysene	ND		67	37	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Dibenzofuran	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Diethyl phthalate	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Dimethyl phthalate	ND		330	130	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
1,4-Dioxane	ND		670	100	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Fluoranthene	ND		67	18	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Fluorene	ND		67	13	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Hexachlorobenzene	ND		67	24	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Hexachlorobutadiene	ND		67	20	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Hexachloroethane	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Isophorone	ND		330	130	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2-Methylnaphthalene	ND		67	16	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2-Methylphenol	ND		330	96	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Naphthalene	ND		67	13	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2-Nitroaniline	ND		1700	150	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
3-Nitroaniline	ND		1700	85	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4-Nitroaniline	ND		1700	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Nitrobenzene	ND		670	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2-Nitrophenol	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
4-Nitrophenol	ND		1700	230	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Pentachlorophenol	ND		1700	540	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Phenanthrene	ND		67	18	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Phenol	ND		330	100	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
Pyrene	ND		67	16	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		02/10/23 13:24	02/15/23 11:04	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		02/10/23 13:24	02/15/23 11:04	1

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

Lab Sample ID: MB 180-425960/1-A
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425960

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	54		44 - 105	02/10/23 13:24	02/15/23 11:04	1
2-Fluorophenol (Surr)	65		48 - 105	02/10/23 13:24	02/15/23 11:04	1
Nitrobenzene-d5 (Surr)	55		46 - 105	02/10/23 13:24	02/15/23 11:04	1
Phenol-d5 (Surr)	60		46 - 105	02/10/23 13:24	02/15/23 11:04	1
Terphenyl-d14 (Surr)	64		39 - 105	02/10/23 13:24	02/15/23 11:04	1
2,4,6-Tribromophenol (Surr)	70		34 - 108	02/10/23 13:24	02/15/23 11:04	1

Lab Sample ID: LCS 180-425960/2-A
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4350		ug/Kg		65	50 - 100
Acenaphthylene	6670	4310		ug/Kg		65	52 - 100
Acetophenone	6670	4490		ug/Kg		67	48 - 100
Anthracene	6670	4670		ug/Kg		70	53 - 100
Atrazine	6670	4120		ug/Kg		62	49 - 103
Benzaldehyde	6670	4850		ug/Kg		73	23 - 105
Benzo[a]anthracene	6670	4580		ug/Kg		69	51 - 100
Benzo[a]pyrene	6670	4220		ug/Kg		63	51 - 100
Benzo[b]fluoranthene	6670	3870		ug/Kg		58	48 - 100
Benzo[g,h,i]perylene	6670	5290		ug/Kg		79	48 - 105
Benzo[k]fluoranthene	6670	4460		ug/Kg		67	19 - 100
1,1'-Biphenyl	6670	3920		ug/Kg		59	50 - 100
Bis(2-chloroethoxy)methane	6670	3920		ug/Kg		59	49 - 100
Bis(2-chloroethyl)ether	6670	4510		ug/Kg		68	48 - 100
Bis(2-ethylhexyl) phthalate	6670	3950		ug/Kg		59	53 - 107
4-Bromophenyl phenyl ether	6670	4740		ug/Kg		71	52 - 101
Butyl benzyl phthalate	6670	4030		ug/Kg		60	52 - 107
Caprolactam	6670	5300		ug/Kg		79	48 - 111
Carbazole	6670	5090		ug/Kg		76	53 - 100
4-Chloroaniline	6670	4820		ug/Kg		72	47 - 100
4-Chloro-3-methylphenol	6670	4780		ug/Kg		72	49 - 106
2-Chloronaphthalene	6670	3990		ug/Kg		60	51 - 100
2-Chlorophenol	6670	4910		ug/Kg		74	51 - 100
4-Chlorophenyl phenyl ether	6670	4410		ug/Kg		66	52 - 100
Chrysene	6670	4560		ug/Kg		68	50 - 100
Dibenz(a,h)anthracene	6670	5180		ug/Kg		78	50 - 107
Dibenzofuran	6670	4560		ug/Kg		68	52 - 100
3,3'-Dichlorobenzidine	6670	4600		ug/Kg		69	43 - 100
2,4-Dichlorophenol	6670	4610		ug/Kg		69	53 - 101
Diethyl phthalate	6670	4290		ug/Kg		64	48 - 104
2,4-Dimethylphenol	6670	4410		ug/Kg		66	51 - 101
Dimethyl phthalate	6670	4240		ug/Kg		64	53 - 100
Di-n-butyl phthalate	6670	4810		ug/Kg		72	57 - 102
4,6-Dinitro-2-methylphenol	13300	7510		ug/Kg		56	51 - 100
2,4-Dinitrophenol	13300	6680		ug/Kg		50	33 - 101
2,4-Dinitrotoluene	6670	4970		ug/Kg		74	54 - 104

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

Lab Sample ID: LCS 180-425960/2-A
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	6670	4740		ug/Kg		71	51 - 106
Di-n-octyl phthalate	6670	3390		ug/Kg		51	41 - 106
1,4-Dioxane	6670	4440		ug/Kg		67	25 - 125
Fluoranthene	6670	5280		ug/Kg		79	55 - 100
Fluorene	6670	4450		ug/Kg		67	52 - 100
Hexachlorobenzene	6670	5150		ug/Kg		77	49 - 100
Hexachlorobutadiene	6670	4690		ug/Kg		70	38 - 107
Hexachlorocyclopentadiene	6670	3340		ug/Kg		50	33 - 117
Hexachloroethane	6670	4580		ug/Kg		69	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5390		ug/Kg		81	51 - 103
Isophorone	6670	4250		ug/Kg		64	48 - 105
2-Methylnaphthalene	6670	5350		ug/Kg		80	53 - 100
2-Methylphenol	6670	4670		ug/Kg		70	50 - 101
Methylphenol, 3 & 4	6670	4780		ug/Kg		72	50 - 103
Naphthalene	6670	4760		ug/Kg		71	51 - 100
2-Nitroaniline	6670	4130		ug/Kg		62	42 - 123
3-Nitroaniline	6670	4770		ug/Kg		72	50 - 103
4-Nitroaniline	6670	4640		ug/Kg		70	52 - 103
Nitrobenzene	6670	4190		ug/Kg		63	44 - 108
2-Nitrophenol	6670	5080		ug/Kg		76	55 - 107
4-Nitrophenol	13300	6740		ug/Kg		51	30 - 134
N-Nitrosodi-n-propylamine	6670	4990		ug/Kg		75	45 - 107
N-Nitrosodiphenylamine	6670	4460		ug/Kg		67	52 - 100
2,2'-oxybis[1-chloropropane]	6670	6240		ug/Kg		94	30 - 113
Pentachlorophenol	13300	9640		ug/Kg		72	42 - 110
Phenanthrene	6670	4540		ug/Kg		68	53 - 100
Phenol	6670	4550		ug/Kg		68	49 - 100
Pyrene	6670	4070		ug/Kg		61	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	3730		ug/Kg		56	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4950		ug/Kg		74	47 - 104
2,4,5-Trichlorophenol	6670	4060		ug/Kg		61	50 - 104
2,4,6-Trichlorophenol	6670	4070		ug/Kg		61	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*
Phenol-d5 (Surr)	*68*		*46 - 105*
Terphenyl-d14 (Surr)	*67*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*87*		*34 - 108*

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 425960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	28	J	7080	4990		ug/Kg	☼	70	50 - 100
Acenaphthylene	640		7080	5640		ug/Kg	☼	71	52 - 100

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

Lab Sample ID: 180-151738-5 MS
Client Sample ID: SSHS-ISMP-BB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426365
Prep Batch: 425960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetophenone	ND		7080	5500		ug/Kg	☼	78	48 - 100
Anthracene	770		7080	5900		ug/Kg	☼	72	53 - 100
Atrazine	ND		7080	5380		ug/Kg	☼	76	49 - 103
Benzaldehyde	ND	F1	7080	261	J F1	ug/Kg	☼	4	23 - 105
Benzo[a]anthracene	5400	F1	7080	7760	F1	ug/Kg	☼	34	51 - 100
Benzo[a]pyrene	3400	F1	7080	6450	F1	ug/Kg	☼	43	51 - 100
Benzo[b]fluoranthene	4500	F1	7080	6670	F1	ug/Kg	☼	30	48 - 100
Benzo[g,h,i]perylene	2000		7080	7070		ug/Kg	☼	72	48 - 105
Benzo[k]fluoranthene	1600		7080	5580		ug/Kg	☼	56	19 - 100
1,1'-Biphenyl	ND		7080	4550		ug/Kg	☼	64	50 - 100
Bis(2-chloroethoxy)methane	ND		7080	4490		ug/Kg	☼	63	49 - 100
Bis(2-chloroethyl)ether	ND		7080	5120		ug/Kg	☼	72	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7080	4800		ug/Kg	☼	68	53 - 107
4-Bromophenyl phenyl ether	ND		7080	5380		ug/Kg	☼	76	52 - 101
Butyl benzyl phthalate	ND		7080	4940		ug/Kg	☼	70	52 - 107
Caprolactam	ND		7080	6090		ug/Kg	☼	86	48 - 111
Carbazole	110		7080	5930		ug/Kg	☼	82	53 - 100
4-Chloroaniline	ND		7080	5340		ug/Kg	☼	75	47 - 100
4-Chloro-3-methylphenol	ND		7080	5520		ug/Kg	☼	78	49 - 106
2-Chloronaphthalene	ND		7080	4540		ug/Kg	☼	64	51 - 100
2-Chlorophenol	ND		7080	5010		ug/Kg	☼	71	51 - 100
4-Chlorophenyl phenyl ether	ND		7080	5110		ug/Kg	☼	72	52 - 100
Chrysene	4100	F1	7080	7130	F1	ug/Kg	☼	43	50 - 100
Dibenz(a,h)anthracene	750		7080	6280		ug/Kg	☼	78	50 - 107
Dibenzofuran	ND		7080	5240		ug/Kg	☼	74	52 - 100
3,3'-Dichlorobenzidine	ND		7080	5320		ug/Kg	☼	75	43 - 100
2,4-Dichlorophenol	ND		7080	4330		ug/Kg	☼	61	53 - 101
Diethyl phthalate	ND		7080	4880		ug/Kg	☼	69	48 - 104
2,4-Dimethylphenol	ND		7080	4910		ug/Kg	☼	69	51 - 101
Dimethyl phthalate	ND		7080	4820		ug/Kg	☼	68	53 - 100
Di-n-butyl phthalate	ND		7080	5520		ug/Kg	☼	78	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	14200	1320	J F1	ug/Kg	☼	9	51 - 100
2,4-Dinitrophenol	ND	F1	14200	ND	F1	ug/Kg	☼	0	33 - 101
2,4-Dinitrotoluene	ND		7080	5570		ug/Kg	☼	79	54 - 104
2,6-Dinitrotoluene	ND		7080	5290		ug/Kg	☼	75	51 - 106
Di-n-octyl phthalate	ND		7080	4000		ug/Kg	☼	56	41 - 106
1,4-Dioxane	ND		7080	3470		ug/Kg	☼	49	25 - 125
Fluoranthene	6600	F1	7080	9410	F1	ug/Kg	☼	40	55 - 100
Fluorene	84		7080	5130		ug/Kg	☼	71	52 - 100
Hexachlorobenzene	ND		7080	5910		ug/Kg	☼	83	49 - 100
Hexachlorobutadiene	ND		7080	5220		ug/Kg	☼	74	38 - 107
Hexachlorocyclopentadiene	ND		7080	3400		ug/Kg	☼	48	33 - 117
Hexachloroethane	ND		7080	5030		ug/Kg	☼	71	47 - 100
Indeno[1,2,3-cd]pyrene	2100		7080	7300		ug/Kg	☼	73	51 - 103
Isophorone	ND		7080	5010		ug/Kg	☼	71	48 - 105
2-Methylnaphthalene	140		7080	6520		ug/Kg	☼	90	53 - 100
2-Methylphenol	ND		7080	5290		ug/Kg	☼	75	50 - 101
Methylphenol, 3 & 4	ND		7080	5510		ug/Kg	☼	78	50 - 103
Naphthalene	200		7080	5660		ug/Kg	☼	77	51 - 100

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

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 425960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	ND		7080	4760		ug/Kg	☼	67	42 - 123
3-Nitroaniline	ND		7080	5200		ug/Kg	☼	73	50 - 103
4-Nitroaniline	ND		7080	4590		ug/Kg	☼	65	52 - 103
Nitrobenzene	ND		7080	4790		ug/Kg	☼	68	44 - 108
2-Nitrophenol	ND	F1	7080	3700	F1	ug/Kg	☼	52	55 - 107
4-Nitrophenol	ND	F1	14200	3210	F1	ug/Kg	☼	23	30 - 134
N-Nitrosodi-n-propylamine	ND		7080	5900		ug/Kg	☼	83	45 - 107
N-Nitrosodiphenylamine	ND		7080	5210		ug/Kg	☼	74	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7080	7290		ug/Kg	☼	103	30 - 113
Pentachlorophenol	ND	F1	14200	767	J F1	ug/Kg	☼	5	42 - 110
Phenanthrene	650		7080	5720		ug/Kg	☼	72	53 - 100
Phenol	ND		7080	5170		ug/Kg	☼	73	49 - 100
Pyrene	7000	F1	7080	7190	F1	ug/Kg	☼	2	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7080	4270		ug/Kg	☼	60	41 - 104
2,3,4,6-Tetrachlorophenol	ND	F1	7080	1190	F1	ug/Kg	☼	17	47 - 104
2,4,5-Trichlorophenol	ND	F1	7080	2650	F1	ug/Kg	☼	37	50 - 104
2,4,6-Trichlorophenol	ND	F1	7080	1910	F1	ug/Kg	☼	27	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*44 - 105*
2-Fluorophenol (Surr)	*67*		*48 - 105*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*41*		*34 - 108*

Lab Sample ID: 180-151738-5 MSD
Matrix: Solid
Analysis Batch: 426365

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 425960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	28	J	7180	4920		ug/Kg	☼	68	50 - 100	1	20
Acenaphthylene	640		7180	5530		ug/Kg	☼	68	52 - 100	2	20
Acetophenone	ND		7180	5240		ug/Kg	☼	73	48 - 100	5	17
Anthracene	770		7180	5630		ug/Kg	☼	68	53 - 100	5	20
Atrazine	ND		7180	5090		ug/Kg	☼	71	49 - 103	6	19
Benzaldehyde	ND	F1	7180	248	J F1	ug/Kg	☼	3	23 - 105	5	31
Benzo[a]anthracene	5400	F1	7180	7390	F1	ug/Kg	☼	28	51 - 100	5	21
Benzo[a]pyrene	3400	F1	7180	6010	F1	ug/Kg	☼	36	51 - 100	7	20
Benzo[b]fluoranthene	4500	F1	7180	6310	F1	ug/Kg	☼	25	48 - 100	6	20
Benzo[g,h,i]perylene	2000		7180	6660		ug/Kg	☼	65	48 - 105	6	19
Benzo[k]fluoranthene	1600		7180	5260		ug/Kg	☼	50	19 - 100	6	20
1,1'-Biphenyl	ND		7180	4470		ug/Kg	☼	62	50 - 100	2	19
Bis(2-chloroethoxy)methane	ND		7180	4280		ug/Kg	☼	60	49 - 100	5	20
Bis(2-chloroethyl)ether	ND		7180	4930		ug/Kg	☼	69	48 - 100	4	18
Bis(2-ethylhexyl) phthalate	ND		7180	4640		ug/Kg	☼	65	53 - 107	3	20
4-Bromophenyl phenyl ether	ND		7180	5190		ug/Kg	☼	72	52 - 101	4	20
Butyl benzyl phthalate	ND		7180	4740		ug/Kg	☼	66	52 - 107	4	19

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

Lab Sample ID: 180-151738-5 MSD
Client Sample ID: SSHS-ISMP-BB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426365
Prep Batch: 425960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Caprolactam	ND		7180	5820		ug/Kg	☼	81	48 - 111	5	23
Carbazole	110		7180	5640		ug/Kg	☼	77	53 - 100	5	20
4-Chloroaniline	ND		7180	5020		ug/Kg	☼	70	47 - 100	6	20
4-Chloro-3-methylphenol	ND		7180	5220		ug/Kg	☼	73	49 - 106	6	20
2-Chloronaphthalene	ND		7180	4430		ug/Kg	☼	62	51 - 100	3	20
2-Chlorophenol	ND		7180	4740		ug/Kg	☼	66	51 - 100	6	17
4-Chlorophenyl phenyl ether	ND		7180	4980		ug/Kg	☼	69	52 - 100	2	19
Chrysene	4100	F1	7180	6840	F1	ug/Kg	☼	38	50 - 100	4	20
Dibenz(a,h)anthracene	750		7180	6020		ug/Kg	☼	74	50 - 107	4	21
Dibenzofuran	ND		7180	5090		ug/Kg	☼	71	52 - 100	3	19
3,3'-Dichlorobenzidine	ND		7180	5160		ug/Kg	☼	72	43 - 100	3	19
2,4-Dichlorophenol	ND		7180	4080		ug/Kg	☼	57	53 - 101	6	22
Diethyl phthalate	ND		7180	4770		ug/Kg	☼	66	48 - 104	2	20
2,4-Dimethylphenol	ND		7180	4700		ug/Kg	☼	66	51 - 101	4	32
Dimethyl phthalate	ND		7180	4670		ug/Kg	☼	65	53 - 100	3	21
Di-n-butyl phthalate	ND		7180	5230		ug/Kg	☼	73	57 - 102	5	20
4,6-Dinitro-2-methylphenol	ND	F1	14400	1270	J F1	ug/Kg	☼	9	51 - 100	4	22
2,4-Dinitrophenol	ND	F1	14400	ND	F1	ug/Kg	☼	0	33 - 101	NC	20
2,4-Dinitrotoluene	ND		7180	5480		ug/Kg	☼	76	54 - 104	2	20
2,6-Dinitrotoluene	ND		7180	5100		ug/Kg	☼	71	51 - 106	4	20
Di-n-octyl phthalate	ND		7180	3800		ug/Kg	☼	53	41 - 106	5	18
1,4-Dioxane	ND		7180	3330		ug/Kg	☼	46	25 - 125	4	17
Fluoranthene	6600	F1	7180	8860	F1	ug/Kg	☼	32	55 - 100	6	20
Fluorene	84		7180	5030		ug/Kg	☼	69	52 - 100	2	19
Hexachlorobenzene	ND		7180	5530		ug/Kg	☼	77	49 - 100	7	20
Hexachlorobutadiene	ND		7180	4930		ug/Kg	☼	69	38 - 107	6	22
Hexachlorocyclopentadiene	ND		7180	3140		ug/Kg	☼	44	33 - 117	8	19
Hexachloroethane	ND		7180	4830		ug/Kg	☼	67	47 - 100	4	17
Indeno[1,2,3-cd]pyrene	2100		7180	6890		ug/Kg	☼	67	51 - 103	6	19
Isophorone	ND		7180	4740		ug/Kg	☼	66	48 - 105	6	20
2-Methylnaphthalene	140		7180	6160		ug/Kg	☼	84	53 - 100	6	21
2-Methylphenol	ND		7180	5160		ug/Kg	☼	72	50 - 101	2	17
Methylphenol, 3 & 4	ND		7180	5350		ug/Kg	☼	75	50 - 103	3	19
Naphthalene	200		7180	5410		ug/Kg	☼	73	51 - 100	4	20
2-Nitroaniline	ND		7180	4720		ug/Kg	☼	66	42 - 123	1	19
3-Nitroaniline	ND		7180	4990		ug/Kg	☼	70	50 - 103	4	20
4-Nitroaniline	ND		7180	4530		ug/Kg	☼	63	52 - 103	1	18
Nitrobenzene	ND		7180	4640		ug/Kg	☼	65	44 - 108	3	21
2-Nitrophenol	ND	F1	7180	3550	F1	ug/Kg	☼	50	55 - 107	4	19
4-Nitrophenol	ND	F1	14400	3190	F1	ug/Kg	☼	22	30 - 134	1	18
N-Nitrosodi-n-propylamine	ND		7180	5620		ug/Kg	☼	78	45 - 107	5	18
N-Nitrosodiphenylamine	ND		7180	4920		ug/Kg	☼	69	52 - 100	6	20
2,2'-oxybis[1-chloropropane]	ND		7180	7010		ug/Kg	☼	98	30 - 113	4	17
Pentachlorophenol	ND	F1	14400	710	J F1	ug/Kg	☼	5	42 - 110	8	20
Phenanthrene	650		7180	5430		ug/Kg	☼	67	53 - 100	5	20
Phenol	ND		7180	5050		ug/Kg	☼	70	49 - 100	2	16
Pyrene	7000	F1	7180	6920	F1	ug/Kg	☼	-1	52 - 100	4	20
1,2,4,5-Tetrachlorobenzene	ND		7180	4130		ug/Kg	☼	58	41 - 104	3	21
2,3,4,6-Tetrachlorophenol	ND	F1	7180	1150	F1	ug/Kg	☼	16	47 - 104	3	18

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

Lab Sample ID: 180-151738-5 MSD
Client Sample ID: SSHS-ISMP-BB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426365
Prep Batch: 425960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND	F1	7180	2560	F1	ug/Kg	☼	36	50 - 104	4	21
2,4,6-Trichlorophenol	ND	F1	7180	1890	F1	ug/Kg	☼	26	50 - 105	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*44 - 105*
2-Fluorophenol (Surr)	*64*		*48 - 105*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*
Phenol-d5 (Surr)	*69*		*46 - 105*
Terphenyl-d14 (Surr)	*69*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*38*		*34 - 108*

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

Lab Sample ID: MB 180-426070/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426328
Prep Batch: 426070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1221	ND		17	5.9	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1232	ND		17	4.1	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1242	ND		17	2.4	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1248	ND		17	4.0	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1254	ND		17	5.0	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1260	ND		17	4.7	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1262	ND		17	5.9	ug/Kg		02/13/23 03:07	02/15/23 08:15	1
PCB-1268	ND		17	2.2	ug/Kg		02/13/23 03:07	02/15/23 08:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*02/13/23 03:07*	*02/15/23 08:15*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*02/13/23 03:07*	*02/15/23 08:15*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*02/13/23 03:07*	*02/15/23 08:15*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*02/13/23 03:07*	*02/15/23 08:15*	*1*

Lab Sample ID: LCS 180-426070/2-C
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426328
Prep Batch: 426070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1060		ug/Kg		79	43 - 136
PCB-1260	1330	1240		ug/Kg		93	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*

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

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426328

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1450	966		ug/Kg	☼	67	43 - 136		
PCB-1260	ND		1450	1100		ug/Kg	☼	76	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*

Lab Sample ID: 180-151738-5 MSD
Matrix: Solid
Analysis Batch: 426328

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1450	992		ug/Kg	☼	68	43 - 136	3	40
PCB-1260	ND		1450	1060		ug/Kg	☼	73	55 - 128	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*66*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-426232/1-A
Matrix: Solid
Analysis Batch: 426476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Antimony	ND		1.0	0.30	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Arsenic	ND		1.0	0.63	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Barium	ND		20	3.6	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Beryllium	ND		0.40	0.11	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Cadmium	ND		0.50	0.073	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Calcium	ND		500	65	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Chromium	ND		0.50	0.46	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Cobalt	ND		5.0	0.70	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Copper	ND		2.5	1.5	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Iron	ND		10	9.7	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Lead	ND		1.0	0.87	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Magnesium	ND		500	55	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Manganese	ND		1.5	0.28	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Nickel	ND		4.0	0.50	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Potassium	ND		500	85	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Selenium	ND		1.0	0.46	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Silver	ND		0.50	0.10	mg/Kg		02/14/23 09:04	02/15/23 19:51	1

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

Lab Sample ID: MB 180-426232/1-A
Matrix: Solid
Analysis Batch: 426476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		500	51	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Thallium	ND		2.0	0.28	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Vanadium	ND		5.0	0.79	mg/Kg		02/14/23 09:04	02/15/23 19:51	1
Zinc	ND		2.0	1.5	mg/Kg		02/14/23 09:04	02/15/23 19:51	1

Lab Sample ID: LCS 180-426232/2-A
Matrix: Solid
Analysis Batch: 426476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	498		mg/Kg		100	80 - 120
Antimony	25.0	21.1		mg/Kg		84	80 - 120
Arsenic	100	102		mg/Kg		102	80 - 120
Barium	100	89.5		mg/Kg		90	80 - 120
Beryllium	50.0	54.0		mg/Kg		108	80 - 120
Cadmium	50.0	50.0		mg/Kg		100	80 - 120
Calcium	2500	2560		mg/Kg		102	80 - 120
Chromium	50.0	51.6		mg/Kg		103	80 - 120
Cobalt	50.0	50.6		mg/Kg		101	80 - 120
Copper	50.0	50.2		mg/Kg		100	80 - 120
Iron	500	597		mg/Kg		119	80 - 120
Lead	50.0	49.4		mg/Kg		99	80 - 120
Magnesium	2500	2470		mg/Kg		99	80 - 120
Manganese	50.0	50.2		mg/Kg		100	80 - 120
Nickel	50.0	49.5		mg/Kg		99	80 - 120
Potassium	2500	2470		mg/Kg		99	80 - 120
Selenium	100	96.8		mg/Kg		97	80 - 120
Silver	25.0	21.2		mg/Kg		85	80 - 120
Sodium	2500	2490		mg/Kg		100	80 - 120
Thallium	100	97.5		mg/Kg		97	80 - 120
Vanadium	50.0	50.7		mg/Kg		101	80 - 120
Zinc	25.0	22.5		mg/Kg		90	80 - 120

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426476

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	3400	F2	402	7020	4	mg/Kg	☼	903	75 - 125
Antimony	0.28	J F1	20.1	5.79	F1	mg/Kg	☼	27	75 - 125
Arsenic	4.5	F2	80.4	68.2		mg/Kg	☼	79	75 - 125
Barium	42	F2	80.4	142		mg/Kg	☼	124	75 - 125
Beryllium	0.18	J F2 F1	40.2	29.9	F1	mg/Kg	☼	74	75 - 125
Cadmium	0.11	J F2	40.2	30.2		mg/Kg	☼	75	75 - 125
Calcium	17000	F2	2010	18000	4	mg/Kg	☼	57	75 - 125
Chromium	14	F2 F1	40.2	126	F1	mg/Kg	☼	278	75 - 125
Cobalt	3.1	J F2	40.2	37.7		mg/Kg	☼	86	75 - 125
Copper	24	F2 F1	40.2	91.4	F1	mg/Kg	☼	167	75 - 125
Iron	10000	F2	402	24200	4	mg/Kg	☼	3512	75 - 125

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

Lab Sample ID: 180-151738-5 MS
Matrix: Solid
Analysis Batch: 426476

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	49	F2 F1	40.2	85.5		mg/Kg	☼	92	75 - 125
Magnesium	2100	F1	2010	4950	F1	mg/Kg	☼	143	75 - 125
Manganese	220		40.2	436	4	mg/Kg	☼	544	75 - 125
Nickel	12	F2 F1	40.2	68.3	F1	mg/Kg	☼	141	75 - 125
Potassium	400	J F2 F1	2010	1950		mg/Kg	☼	77	75 - 125
Selenium	ND	F2 F1	80.4	58.2	F1	mg/Kg	☼	72	75 - 125
Silver	ND	F1	20.1	13.5	F1	mg/Kg	☼	67	75 - 125
Sodium	86	J F2 F1	2010	1550	F1	mg/Kg	☼	73	75 - 125
Thallium	ND	F2 F1	80.4	57.5	F1	mg/Kg	☼	72	75 - 125
Vanadium	8.0	F2 F1	40.2	43.2		mg/Kg	☼	88	75 - 125
Zinc	66	F2 F1	20.1	116	F1	mg/Kg	☼	246	75 - 125

Lab Sample ID: 180-151738-5 MSD
Matrix: Solid
Analysis Batch: 426476

Client Sample ID: SSHS-ISMP-BB-B1
Prep Type: Total/NA
Prep Batch: 426232

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	3400	F2	273	4290	4 F2	mg/Kg	☼	329	75 - 125	48	20
Antimony	0.28	J F1	13.7	4.75	F1	mg/Kg	☼	33	75 - 125	20	20
Arsenic	4.5	F2	54.7	48.9	F2	mg/Kg	☼	81	75 - 125	33	20
Barium	42	F2	54.7	83.1	F2	mg/Kg	☼	75	75 - 125	52	20
Beryllium	0.18	J F2 F1	27.3	20.5	F2 F1	mg/Kg	☼	74	75 - 125	38	20
Cadmium	0.11	J F2	27.3	22.2	F2	mg/Kg	☼	81	75 - 125	30	20
Calcium	17000	F2	1370	108000	E 4 F2	mg/Kg	☼	6634	75 - 125	143	20
Chromium	14	F2 F1	27.3	27.6	F2 F1	mg/Kg	☼	50	75 - 125	128	20
Cobalt	3.1	J F2	27.3	28.8	F2	mg/Kg	☼	94	75 - 125	27	20
Copper	24	F2 F1	27.3	45.5	F2	mg/Kg	☼	77	75 - 125	67	20
Iron	10000	F2	273	10100	4 F2	mg/Kg	☼	-3	75 - 125	82	20
Lead	49	F2 F1	27.3	63.4	F2 F1	mg/Kg	☼	54	75 - 125	30	20
Magnesium	2100	F1	1370	4780	F1	mg/Kg	☼	197	75 - 125	4	20
Manganese	220		27.3	386	4	mg/Kg	☼	618	75 - 125	12	20
Nickel	12	F2 F1	27.3	37.1	F2	mg/Kg	☼	93	75 - 125	59	20
Potassium	400	J F2 F1	1370	1420	F2 F1	mg/Kg	☼	74	75 - 125	31	20
Selenium	ND	F2 F1	54.7	43.2	F2	mg/Kg	☼	79	75 - 125	29	20
Silver	ND	F1	13.7	11.0		mg/Kg	☼	80	75 - 125	20	20
Sodium	86	J F2 F1	1370	1220	F2	mg/Kg	☼	83	75 - 125	24	20
Thallium	ND	F2 F1	54.7	44.1	F2	mg/Kg	☼	81	75 - 125	26	20
Vanadium	8.0	F2 F1	27.3	27.2	F2 F1	mg/Kg	☼	70	75 - 125	45	20
Zinc	66	F2 F1	13.7	57.6	4 F2	mg/Kg	☼	-64	75 - 125	67	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-426534/1-A
Matrix: Solid
Analysis Batch: 426731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		02/16/23 10:30	02/17/23 17:37	1

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

Lab Sample ID: LCS 180-426534/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426731
Prep Batch: 426534

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.389		mg/Kg		93	80 - 120		

Lab Sample ID: 180-151738-5 MS
Client Sample ID: SSHS-ISMP-BB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426731
Prep Batch: 426534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.43	F1	0.176	0.761	F1	mg/Kg	☼	185	80 - 120		

Lab Sample ID: 180-151738-5 MSD
Client Sample ID: SSHS-ISMP-BB-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 426731
Prep Batch: 426534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.43	F1	0.171	0.725	F1	mg/Kg	☼	170	80 - 120	5	20

GC/MS VOA

Analysis Batch: 426112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	EPA 8260C	426164
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	EPA 8260C	426164
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	EPA 8260C	426164
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8260C	426164
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	EPA 8260C	426164
MB 180-426112/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-426112/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-426112/7	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8260C	426164
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8260C	426164

Prep Batch: 426164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	5035	
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	5035	
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	5035	
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	5035	
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	5035	
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	5035	
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	5035	

Analysis Batch: 426222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	EPA 8260C	426287
MB 180-426222/14	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-426222/12	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 426287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 425960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	3541	
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	3541	
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	3541	
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	3541	
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	3541	
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	3541	
MB 180-425960/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-425960/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	3541	
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	3541	

Analysis Batch: 426365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	EPA 8270D	425960
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	EPA 8270D	425960
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	EPA 8270D	425960

GC/MS Semi VOA (Continued)

Analysis Batch: 426365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	EPA 8270D	425960
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	EPA 8270D	425960
MB 180-425960/1-A	Method Blank	Total/NA	Solid	EPA 8270D	425960
LCS 180-425960/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	425960
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8270D	425960
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8270D	425960

Analysis Batch: 426486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8270D	425960

GC Semi VOA

Prep Batch: 426070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	3541	
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	3541	
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	3541	
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	3541	
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	3541	
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	3541	
MB 180-426070/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-426070/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	3541	
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	3541	

Cleanup Batch: 426161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	3665A	426070
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	3665A	426070
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	3665A	426070
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	3665A	426070
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	3665A	426070
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	3665A	426070
MB 180-426070/1-C	Method Blank	Total/NA	Solid	3665A	426070
LCS 180-426070/2-C	Lab Control Sample	Total/NA	Solid	3665A	426070
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	3665A	426070
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	3665A	426070

Cleanup Batch: 426162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	3660B	426161
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	3660B	426161
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	3660B	426161
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	3660B	426161
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	3660B	426161
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	3660B	426161
MB 180-426070/1-C	Method Blank	Total/NA	Solid	3660B	426161
LCS 180-426070/2-C	Lab Control Sample	Total/NA	Solid	3660B	426161
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	3660B	426161
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	3660B	426161

GC Semi VOA

Analysis Batch: 426328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	EPA 8082A	426162
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	EPA 8082A	426162
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	EPA 8082A	426162
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	EPA 8082A	426162
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8082A	426162
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	EPA 8082A	426162
MB 180-426070/1-C	Method Blank	Total/NA	Solid	EPA 8082A	426162
LCS 180-426070/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	426162
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8082A	426162
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 8082A	426162

Metals

Prep Batch: 426232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	3050B	
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	3050B	
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	3050B	
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	3050B	
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	3050B	
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	3050B	
MB 180-426232/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-426232/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	3050B	
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	3050B	

Analysis Batch: 426476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	EPA 6010C	426232
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	EPA 6010C	426232
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	EPA 6010C	426232
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	EPA 6010C	426232
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 6010C	426232
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	EPA 6010C	426232
MB 180-426232/1-A	Method Blank	Total/NA	Solid	EPA 6010C	426232
LCS 180-426232/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	426232
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 6010C	426232
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 6010C	426232

Prep Batch: 426534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	7471B	
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	7471B	
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	7471B	
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	7471B	
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	7471B	
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	7471B	
MB 180-426534/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-426534/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	7471B	
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	7471B	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-151738-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Metals

Analysis Batch: 426731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	EPA 7471B	426534
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	EPA 7471B	426534
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	EPA 7471B	426534
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	EPA 7471B	426534
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 7471B	426534
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	EPA 7471B	426534
MB 180-426534/1-A	Method Blank	Total/NA	Solid	EPA 7471B	426534
LCS 180-426534/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	426534
180-151738-5 MS	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 7471B	426534
180-151738-5 MSD	SSHS-ISMP-BB-B1	Total/NA	Solid	EPA 7471B	426534

Analysis Batch: 426815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	EPA 6010C	426232

General Chemistry

Analysis Batch: 426038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-151738-1	SSHS-ISMP-BB-S1	Total/NA	Solid	2540G	
180-151738-2	SSHS-ISMP-BB-S2	Total/NA	Solid	2540G	
180-151738-3	SSHS-ISMP-BB-S3	Total/NA	Solid	2540G	
180-151738-4	SSHS-ISMP-BB-S4	Total/NA	Solid	2540G	
180-151738-5	SSHS-ISMP-BB-B1	Total/NA	Solid	2540G	
180-151738-6	SSHS-ISMP-BB-DUP1	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Amanda Castignetti	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Days			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS - ISMP - BB - S1	2/8/2023	0950	G	S	N	N	X	X	X	X				
SSHS - ISMP - BB - S2		1000	G	S	N	N	X	X	X	X				
SSHS - ISMP - BB - S3		1010	G	S	N	N	X	X	X	X				
SSHS - ISMP - BB - S4		1020	G	S	N	N	X	X	X	X	X	X		
SSHS - ISMP - BB - B1		1030	G	S	N	Y	X	X	X	X			6	MS/MSD - 12 jars (18 jars total)
SSHS - ISMP - BB - DUP1			G	S	N	N	X	X	X	X				

180-151738 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/8/2023, 1400	Company: Sterling	Received by:	Date/Time: 2-9-23 10:00	Company: ekthane
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2/21/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Environment Testing

Client Information	Sampler: Amanda Castignetti	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Days			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS - ISMP - BB - S1	2/8/2023	0950	G	S	N	N	X	X	X	X				
SSHS - ISMP - BB - S2		1000	G	S	N	N	X	X	X	X				
SSHS - ISMP - BB - S3		1010	G	S	N	N	X	X	X	X				
SSHS - ISMP - BB - S4		1020	G	S	N	N	X	X	X	X	X	X		
SSHS - ISMP - BB - B1		1030	G	S	N	Y	X	X	X	X			6	MS/MSD - 12 jars (18 jars total)
SSHS - ISMP - BB - DUP1		—	G	S	N	N	X	X	X	X				

180-151738 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/8/2023, 1400	Company: Sterling	Received by: Date/Time: 2-9-23 0940 Company: EETAL
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: Company:
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.3°C

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-151738 Field Sheet

Job: _____

Tracking # : 772 0854197

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 410 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: /

Temp Observed: 5.3 °C Corrected: 5.3 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 2/9/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 2-9-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 2-9-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-151738-1

Login Number: 151738
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/16/2023 11:04:52 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-152845-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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3/16/2023 11:04:52 AM

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

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Job ID: 180-152845-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-152845-1

Receipt
The samples were received on 3/2/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 3.9º C.

GC/MS VOA
Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B3 (180-152845-3) had the recoveries of Vinyl chloride below the control limits. The RPDsbetween the spikes and the recoveries of the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-428003 was below criteria for the following analytes: Chloromethane and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-428003 was above criteria for the following analytes: cis-1,3-Dichloropropene, Acetone, cis-1,2-Dichloroethene, Toluene, Toluene-d8 (surrogate),Tetrachloroethene, 1,4-Dioxane and trans-1,2-Dichloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-428184 was below criteria for the following analytes: cis-1,3-Dichloropropene, Chloromethane, Dichlorodifluoromethane, and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-428184 was above criteria for the following analytes: 1,1-Dichloroethene, 1,4-Dioxane, Acetone, and cis-1,3-Dichloropropene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B3 (180-152845-3) had the recoveries of 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-428174 was above criteria for the following analytes: Di-n-octyl phthalate and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA
Method 8082A: Sample SSHS-IRM5A2-HR-B2 (180-152845-2) had the recoveries of surrogate decachlorobiphenyl above the control limits on both columns. The recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-428610 (CCV 180-428610/4) was above criteria for aroclor 1248 on column RTX-CLP2. Associated sample results for aroclor 1248 were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-428610 (CCVIS 180-428610/29) was above criteria for surrogate decachlorobiphenyl on column RTX-CLP2.

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

Job ID: 180-152845-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Metals

Method 6010C: The laboratory control sample (LCS) for preparation batch 180-428189 recovered above the control limits for cadmium. As this analyte was biased high in the LCS and was not detected in the associated sample, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B3 (180-152845-3) had several recoveries and the RPD between the spikes for lead outside of the control limits. The recoveries of the laboratory control sample (with the exception of cadmium) were within the control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B1 (180-152845-1) had the majority of recoveries and several RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-152845-1	SSHS-IRM5A2-HR-B1	Solid	03/01/23 15:00	03/02/23 10:00
180-152845-2	SSHS-IRM5A2-HR-B2	Solid	03/01/23 15:05	03/02/23 10:00
180-152845-3	SSHS-IRM5A2-HR-B3	Solid	03/01/23 15:10	03/02/23 10:00
180-152845-4	SSHS-IRM5A2-HR-B4	Solid	03/01/23 15:15	03/02/23 10:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428071	03/03/23 12:29	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1715 g	5 mL	428090	03/03/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428003	03/03/23 12:17	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.09 g	5.0 mL	428078	03/03/23 13:42	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	428174	03/06/23 13:48	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20,.0 mL	428210	03/06/23 10:05	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	428274	03/06/23 15:54	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	428277	03/06/23 16:01	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	428610	03/09/23 16:14	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.72 g	50 mL	428407	03/07/23 13:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			428750	03/09/23 10:03	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.81 g	100 mL	429075	03/14/23 07:24	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429172	03/14/23 15:05	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428071	03/03/23 12:29	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1498 g	5 mL	428090	03/03/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428003	03/03/23 12:45	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.00 g	5.0 mL	428078	03/03/23 13:42	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	428174	03/06/23 14:10	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20,.0 mL	428210	03/06/23 10:05	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	428274	03/06/23 15:54	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	428277	03/06/23 16:01	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	428610	03/09/23 16:33	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.13 g	50 mL	428407	03/07/23 13:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			428750	03/09/23 10:39	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.72 g	100 mL	429075	03/14/23 07:24	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429172	03/14/23 15:06	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3
Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428071	03/03/23 12:29	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3
Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3112 g	5 mL	428090	03/03/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428003	03/03/23 13:14	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.29 g	5.0 mL	428078	03/03/23 13:42	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	428174	03/06/23 11:58	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20,.0 mL	428210	03/06/23 10:05	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	428274	03/06/23 15:54	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	428277	03/06/23 16:01	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	428610	03/09/23 15:17	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.66 g	50 mL	428189	03/06/23 08:12	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			428451	03/07/23 18:34	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.62 g	100 mL	429075	03/14/23 07:24	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429172	03/14/23 15:07	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4
Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428071	03/03/23 12:29	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4
Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1805 g	5 mL	428090	03/03/23 15:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428184	03/06/23 19:56	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.00 g	5.0 mL	428078	03/03/23 13:42	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	428174	03/06/23 14:32	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20,.0 mL	428210	03/06/23 10:05	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	428274	03/06/23 15:54	A1K	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	428277	03/06/23 16:01	A1K	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	428610	03/09/23 16:52	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.86 g	50 mL	428407	03/07/23 13:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			428750	03/09/23 10:45	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.68 g	100 mL	429075	03/14/23 07:24	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429172	03/14/23 15:10	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

A1K = Aiza Kesodia

Batch Type: Prep

AAS = Arianna Swick
JBP = Jack Prothero
JSM = Joseph Moore
PJJ = Patrick Journet
RJR = Ron Rosenbaum

Batch Type: Analysis

BAB = Brooke Batyi
JMO = John Oravec
PJJ = Patrick Journet
RJG = Rob Good
RJR = Ron Rosenbaum
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Benzene	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Styrene	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Toluene	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1

Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*03/03/23 07:18*	*03/03/23 12:17*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*03/03/23 07:18*	*03/03/23 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*03/03/23 07:18*	*03/03/23 12:17*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/03/23 07:18*	*03/03/23 12:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Acenaphthylene	ND		73	16	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Acetophenone	ND		730	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Anthracene	ND		73	19	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Atrazine	ND		730	160	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Benzaldehyde	ND		730	45	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Benzo[a]pyrene	ND		73	32	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Caprolactam	ND		1900	240	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Carbazole	ND		73	17	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Chrysene	ND		73	41	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Dibenzofuran	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Fluoranthene	ND		73	19	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Fluorene	ND		73	14	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Hexachloroethane	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Isophorone	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2-Methylnaphthalene	ND		73	18	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2-Methylphenol	ND		360	100	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Naphthalene	ND		73	14	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Nitrobenzene	ND		730	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Phenanthrene	ND		73	20	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Phenol	ND		360	110	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
Pyrene	ND		73	17	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*03/03/23 13:42*	*03/06/23 13:48*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*03/03/23 13:42*	*03/06/23 13:48*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*03/03/23 13:42*	*03/06/23 13:48*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*03/03/23 13:42*	*03/06/23 13:48*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*03/03/23 13:42*	*03/06/23 13:48*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*03/03/23 13:42*	*03/06/23 13:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1221	ND		18	6.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1232	ND		18	4.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1242	ND		18	2.7	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1248	ND		18	4.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1254	ND		18	5.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1260	ND		18	5.2	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1
PCB-1268	ND		18	2.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*120*		*63 - 138*	*03/06/23 10:05*	*03/09/23 16:14*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/06/23 10:05*	*03/09/23 16:14*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*03/06/23 10:05*	*03/09/23 16:14*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*03/06/23 10:05*	*03/09/23 16:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		15	3.8	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Antimony	ND	F1	0.77	0.23	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Arsenic	**7.5**	**F2 F1**	0.77	0.48	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Barium	**67**	**F1**	15	2.7	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Beryllium	**0.35**	**F1**	0.31	0.083	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Cadmium	ND	F1	0.38	0.056	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Calcium	**6700**	**F1**	380	49	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Chromium	**10**	**F1**	0.38	0.35	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Cobalt	**8.3**	**F1**	3.8	0.54	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Copper	**11**	**F1**	1.9	1.2	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Iron	**21000**	**F2**	7.7	7.5	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Lead	**16**	**F1**	0.77	0.67	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Magnesium	**2800**	**F1**	380	42	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Manganese	**430**		1.1	0.21	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Nickel	**18**	**F1**	3.1	0.39	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Potassium	**680**	**F1**	380	65	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Selenium	ND	F1	0.77	0.35	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Silver	ND	F1	0.38	0.080	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Sodium	ND	F1	380	39	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Thallium	ND	F1	1.5	0.22	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Vanadium	**12**	**F1**	3.8	0.61	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1
Zinc	**48**	**F1**	1.5	1.1	mg/Kg	☼	03/07/23 13:59	03/09/23 10:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.027	0.017	mg/Kg	☼	03/14/23 07:24	03/14/23 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.3**		0.1	0.1	%			03/03/23 12:29	1
Percent Solids (SM22 2540G)	**90.7**		0.1	0.1	%			03/03/23 12:29	1

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Benzene	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Styrene	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Toluene	ND		5.3	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	03/03/23 07:18	03/03/23 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*03/03/23 07:18*	*03/03/23 12:45*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*03/03/23 07:18*	*03/03/23 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*03/03/23 07:18*	*03/03/23 12:45*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*03/03/23 07:18*	*03/03/23 12:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Acenaphthylene	ND		73	16	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Acetophenone	ND		730	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Anthracene	ND		73	19	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Atrazine	ND		730	160	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Benzaldehyde	ND		730	45	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Benzo[a]pyrene	ND		73	32	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Caprolactam	ND		1900	240	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Carbazole	ND		73	17	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Chrysene	ND		73	41	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Dibenzofuran	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		730	110	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Fluoranthene	ND		73	19	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Fluorene	ND		73	14	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Hexachloroethane	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Isophorone	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2-Methylnaphthalene	ND		73	18	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2-Methylphenol	ND		360	100	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Naphthalene	ND		73	14	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Nitrobenzene	ND		730	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Phenanthrene	ND		73	20	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Phenol	ND		360	110	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
Pyrene	ND		73	17	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*03/03/23 13:42*	*03/06/23 14:10*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*03/03/23 13:42*	*03/06/23 14:10*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*03/03/23 13:42*	*03/06/23 14:10*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*03/03/23 13:42*	*03/06/23 14:10*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*03/03/23 13:42*	*03/06/23 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*03/03/23 13:42*	*03/06/23 14:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1221	ND		18	6.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1232	ND		18	4.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1242	ND		18	2.7	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1248	ND		18	4.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1254	ND		18	5.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1260	ND		18	5.2	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1262	ND		18	6.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:33	1

Client Sample ID: SSHS-IRM5A2-HR-B2
Lab Sample ID: 180-152845-2
Date Collected: 03/01/23 15:05
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 91.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*168*	*S1+*	*63 - 138*	*03/06/23 10:05*	*03/09/23 16:33*	*1*
DCB Decachlorobiphenyl (Surr)	*175*	*S1+*	*63 - 138*	*03/06/23 10:05*	*03/09/23 16:33*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*03/06/23 10:05*	*03/09/23 16:33*	*1*
Tetrachloro-m-xylene (Surr)	*122*		*55 - 135*	*03/06/23 10:05*	*03/09/23 16:33*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5500**		9.7	2.4	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Antimony	ND		0.49	0.15	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Arsenic	**5.8**		0.49	0.30	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Barium	**41**		9.7	1.7	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Beryllium	**0.23**		0.19	0.053	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Cadmium	ND		0.24	0.036	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Calcium	**2400**		240	31	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Chromium	**6.6**		0.24	0.22	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Cobalt	**5.8**		2.4	0.34	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Copper	**8.0**		1.2	0.73	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Iron	**14000**		4.9	4.7	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Lead	**7.2**		0.49	0.42	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Magnesium	**1900**		240	27	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Manganese	**200**		0.73	0.13	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Nickel	**13**		1.9	0.24	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Potassium	**430**		240	41	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Selenium	ND		0.49	0.22	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Silver	ND		0.24	0.050	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Sodium	**27**	**J**	240	25	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Thallium	ND		0.97	0.14	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Vanadium	**7.3**		2.4	0.38	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1
Zinc	**29**		0.97	0.70	mg/Kg	☼	03/07/23 13:59	03/09/23 10:39	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	03/14/23 07:24	03/14/23 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.8**		0.1	0.1	%			03/03/23 12:29	1
Percent Solids (SM22 2540G)	**91.2**		0.1	0.1	%			03/03/23 12:29	1

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3
Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Benzene	ND		5.1	1.4	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3
Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 93.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Styrene	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Toluene	ND		5.1	1.5	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Vinyl chloride	ND	F1	5.1	3.6	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	03/03/23 07:18	03/03/23 13:14	1

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3

Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 93.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*03/03/23 07:18*	*03/03/23 13:14*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*03/03/23 07:18*	*03/03/23 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*03/03/23 07:18*	*03/03/23 13:14*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*03/03/23 07:18*	*03/03/23 13:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Acenaphthylene	ND		71	15	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Acetophenone	ND		710	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Anthracene	ND		71	18	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Atrazine	ND		710	150	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Carbazole	ND		71	16	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Chrysene	ND		71	39	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4,6-Dinitro-2-methylphenol	ND	F1	1800	610	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,4-Dinitrophenol	ND	F1	3500	2200	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Fluorene	ND		71	14	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3
Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Hexachloroethane	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Isophorone	ND		350	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Naphthalene	ND		71	14	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Phenol	ND		350	110	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
Pyrene	ND		71	17	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/03/23 13:42	03/06/23 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*03/03/23 13:42*	*03/06/23 11:58*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*03/03/23 13:42*	*03/06/23 11:58*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*03/03/23 13:42*	*03/06/23 11:58*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*03/03/23 13:42*	*03/06/23 11:58*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*03/03/23 13:42*	*03/06/23 11:58*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*03/03/23 13:42*	*03/06/23 11:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/06/23 10:05	03/09/23 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*125*		*63 - 138*	*03/06/23 10:05*	*03/09/23 15:17*	*1*
DCB Decachlorobiphenyl (Surr)	*127*		*63 - 138*	*03/06/23 10:05*	*03/09/23 15:17*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*03/06/23 10:05*	*03/09/23 15:17*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B3
Lab Sample ID: 180-152845-3
Date Collected: 03/01/23 15:10
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 93.0

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*03/06/23 10:05*	*03/09/23 15:17*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		16	4.1	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Antimony	ND	F1	0.81	0.25	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Arsenic	**6.4**		0.81	0.51	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Barium	**60**		16	2.9	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Beryllium	**0.29**	**J**	0.33	0.089	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Cadmium	ND	*+	0.41	0.060	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Calcium	**4300**	**F1**	410	53	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Chromium	**8.7**		0.41	0.37	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Cobalt	**7.1**		4.1	0.57	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Copper	**15**		2.0	1.2	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Iron	**17000**		8.1	7.9	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Lead	**6.8**	**F2 F1**	0.81	0.71	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Magnesium	**2500**	**F1**	410	45	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Manganese	**310**		1.2	0.23	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Nickel	**16**		3.3	0.41	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Potassium	**410**		410	69	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Selenium	ND	F1	0.81	0.38	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Silver	ND		0.41	0.085	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Sodium	**63**	**J**	410	42	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Thallium	ND	F1	1.6	0.23	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Vanadium	**9.4**		4.1	0.64	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1
Zinc	**40**	**F1**	1.6	1.2	mg/Kg	☼	03/06/23 08:12	03/07/23 18:34	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	03/14/23 07:24	03/14/23 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.0**		0.1	0.1	%			03/03/23 12:29	1
Percent Solids (SM22 2540G)	**93.0**		0.1	0.1	%			03/03/23 12:29	1

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4
Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Benzene	ND		5.4	1.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4
Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Styrene	ND		5.4	1.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Toluene	ND		5.4	1.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.1	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	03/03/23 15:58	03/06/23 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*03/03/23 15:58*	*03/06/23 19:56*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*03/03/23 15:58*	*03/06/23 19:56*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4

Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*03/03/23 15:58*	*03/06/23 19:56*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*03/03/23 15:58*	*03/06/23 19:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Acenaphthylene	ND		75	16	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Acetophenone	ND		750	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Anthracene	ND		75	19	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Atrazine	ND		750	160	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Benzaldehyde	ND		750	46	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Bis(2-chloroethyl)ether	ND		75	13	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Caprolactam	ND		1900	240	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Carbazole	ND		75	17	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Chrysene	ND		75	41	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Dibenzofuran	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Fluoranthene	ND		75	20	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Fluorene	ND		75	15	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4

Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		370	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Isophorone	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2-Methylphenol	ND		370	110	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Naphthalene	ND		75	14	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Nitrobenzene	ND		750	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,2'-oxybis[1-chloropropane]	ND		75	27	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Phenanthrene	ND		75	20	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Phenol	ND		370	110	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
Pyrene	ND		75	18	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	03/03/23 13:42	03/06/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*03/03/23 13:42*	*03/06/23 14:32*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*03/03/23 13:42*	*03/06/23 14:32*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*03/03/23 13:42*	*03/06/23 14:32*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*03/03/23 13:42*	*03/06/23 14:32*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*03/03/23 13:42*	*03/06/23 14:32*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*03/03/23 13:42*	*03/06/23 14:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1221	ND		18	6.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1232	ND		18	4.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1242	ND		18	2.7	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1248	ND		18	4.4	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1254	ND		18	5.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1260	ND		18	5.2	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1262	ND		18	6.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1
PCB-1268	ND		18	2.5	ug/Kg	☼	03/06/23 10:05	03/09/23 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/06/23 10:05*	*03/09/23 16:52*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/06/23 10:05*	*03/09/23 16:52*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/06/23 10:05*	*03/09/23 16:52*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*03/06/23 10:05*	*03/09/23 16:52*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B4
Lab Sample ID: 180-152845-4
Date Collected: 03/01/23 15:15
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 89.8

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7400		13	3.2	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Antimony	0.80		0.65	0.20	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Arsenic	13		0.65	0.41	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Barium	72		13	2.3	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Beryllium	0.34		0.26	0.071	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Cadmium	0.074	J	0.32	0.048	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Calcium	24000		320	42	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Chromium	9.1		0.32	0.29	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Cobalt	8.2		3.2	0.46	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Copper	33		1.6	0.98	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Iron	17000		6.5	6.3	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Lead	20		0.65	0.56	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Magnesium	2700		320	36	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Manganese	820		0.97	0.18	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Nickel	18		2.6	0.33	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Potassium	830		320	55	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Selenium	0.35	J	0.65	0.30	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Silver	ND		0.32	0.067	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Sodium	51	J	320	33	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Thallium	ND		1.3	0.18	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Vanadium	10		3.2	0.51	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1
Zinc	39		1.3	0.94	mg/Kg	☼	03/07/23 13:59	03/09/23 10:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	03/14/23 07:24	03/14/23 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.2		0.1	0.1	%			03/03/23 12:29	1
Percent Solids (SM22 2540G)	89.8		0.1	0.1	%			03/03/23 12:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

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

Lab Sample ID: MB 180-428003/7
Matrix: Solid
Analysis Batch: 428003

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			03/03/23 11:49	1
Benzene	ND		5.0	1.4	ug/Kg			03/03/23 11:49	1
Bromoform	ND		5.0	2.5	ug/Kg			03/03/23 11:49	1
Bromomethane	ND		5.0	2.3	ug/Kg			03/03/23 11:49	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			03/03/23 11:49	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			03/03/23 11:49	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			03/03/23 11:49	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			03/03/23 11:49	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			03/03/23 11:49	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			03/03/23 11:49	1
Chloroethane	ND		5.0	2.9	ug/Kg			03/03/23 11:49	1
Chloroform	ND		5.0	1.6	ug/Kg			03/03/23 11:49	1
Chloromethane	ND		5.0	2.0	ug/Kg			03/03/23 11:49	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			03/03/23 11:49	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			03/03/23 11:49	1
Cyclohexane	ND		5.0	2.4	ug/Kg			03/03/23 11:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			03/03/23 11:49	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			03/03/23 11:49	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			03/03/23 11:49	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			03/03/23 11:49	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			03/03/23 11:49	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			03/03/23 11:49	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			03/03/23 11:49	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			03/03/23 11:49	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			03/03/23 11:49	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			03/03/23 11:49	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			03/03/23 11:49	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			03/03/23 11:49	1
1,4-Dioxane	ND		1000	35	ug/Kg			03/03/23 11:49	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			03/03/23 11:49	1
2-Hexanone	ND		5.0	1.6	ug/Kg			03/03/23 11:49	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			03/03/23 11:49	1
Methyl acetate	ND		25	7.4	ug/Kg			03/03/23 11:49	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			03/03/23 11:49	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			03/03/23 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			03/03/23 11:49	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			03/03/23 11:49	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			03/03/23 11:49	1
o-Xylene	ND		5.0	2.0	ug/Kg			03/03/23 11:49	1
Styrene	ND		5.0	1.5	ug/Kg			03/03/23 11:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			03/03/23 11:49	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			03/03/23 11:49	1
Toluene	ND		5.0	1.4	ug/Kg			03/03/23 11:49	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			03/03/23 11:49	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			03/03/23 11:49	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			03/03/23 11:49	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			03/03/23 11:49	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			03/03/23 11:49	1

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

Lab Sample ID: MB 180-428003/7
Matrix: Solid
Analysis Batch: 428003

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			03/03/23 11:49	1
Trichloroethene	ND		5.0	1.6	ug/Kg			03/03/23 11:49	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			03/03/23 11:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			03/03/23 11:49	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			03/03/23 11:49	1
Xylenes, Total	ND		10	7.2	ug/Kg			03/03/23 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*		*03/03/23 11:49*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*		*03/03/23 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*		*03/03/23 11:49*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*03/03/23 11:49*	*1*

Lab Sample ID: LCS 180-428003/4
Matrix: Solid
Analysis Batch: 428003

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	44.3		ug/Kg		111	23 - 170
Benzene	40.0	41.5		ug/Kg		104	77 - 120
Bromoform	40.0	35.4		ug/Kg		89	37 - 147
Bromomethane	40.0	32.8		ug/Kg		82	47 - 149
2-Butanone (MEK)	40.0	42.7		ug/Kg		107	39 - 157
Carbon disulfide	40.0	37.6		ug/Kg		94	40 - 156
Carbon tetrachloride	40.0	41.4		ug/Kg		103	73 - 130
Chlorobenzene	40.0	43.7		ug/Kg		109	79 - 122
Chlorobromomethane	40.0	41.7		ug/Kg		104	64 - 128
Chlorodibromomethane	40.0	37.2		ug/Kg		93	60 - 134
Chloroethane	40.0	39.1		ug/Kg		98	37 - 159
Chloroform	40.0	39.8		ug/Kg		100	73 - 126
Chloromethane	40.0	26.8		ug/Kg		67	46 - 151
cis-1,2-Dichloroethene	40.0	43.5		ug/Kg		109	77 - 118
cis-1,3-Dichloropropene	40.0	49.5		ug/Kg		124	73 - 127
Cyclohexane	40.0	38.3		ug/Kg		96	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	31.6		ug/Kg		79	30 - 163
1,2-Dibromoethane	40.0	40.2		ug/Kg		100	59 - 137
1,2-Dichlorobenzene	40.0	40.8		ug/Kg		102	76 - 120
1,3-Dichlorobenzene	40.0	43.3		ug/Kg		108	77 - 121
1,4-Dichlorobenzene	40.0	42.4		ug/Kg		106	79 - 120
Dichlorobromomethane	40.0	43.3		ug/Kg		108	75 - 123
Dichlorodifluoromethane	40.0	29.4		ug/Kg		73	26 - 149
1,1-Dichloroethane	40.0	40.6		ug/Kg		101	73 - 124
1,2-Dichloroethane	40.0	41.3		ug/Kg		103	64 - 140
1,1-Dichloroethene	40.0	41.8		ug/Kg		105	55 - 136
1,2-Dichloroethene, Total	80.0	86.2		ug/Kg		108	77 - 119
1,2-Dichloropropane	40.0	40.6		ug/Kg		101	77 - 119
1,4-Dioxane	800	1030		ug/Kg		128	18 - 166
Ethylbenzene	40.0	43.2		ug/Kg		108	79 - 119

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

Lab Sample ID: LCS 180-428003/4
Matrix: Solid
Analysis Batch: 428003

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	36.6		ug/Kg		91	42 - 152
Isopropylbenzene	40.0	41.6		ug/Kg		104	70 - 125
Methyl acetate	80.0	63.0		ug/Kg		79	20 - 170
Methylcyclohexane	40.0	42.8		ug/Kg		107	70 - 125
Methylene Chloride	40.0	39.2		ug/Kg		98	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	33.9		ug/Kg		85	51 - 147
Methyl tert-butyl ether	40.0	40.9		ug/Kg		102	58 - 132
m-Xylene & p-Xylene	40.0	43.3		ug/Kg		108	77 - 120
o-Xylene	40.0	43.5		ug/Kg		109	78 - 118
Styrene	40.0	43.3		ug/Kg		108	80 - 120
1,1,2,2-Tetrachloroethane	40.0	34.6		ug/Kg		86	36 - 170
Tetrachloroethene	40.0	46.2		ug/Kg		116	71 - 121
Toluene	40.0	44.2		ug/Kg		111	76 - 120
trans-1,2-Dichloroethene	40.0	42.7		ug/Kg		107	75 - 122
trans-1,3-Dichloropropene	40.0	40.2		ug/Kg		101	68 - 133
1,2,3-Trichlorobenzene	40.0	41.2		ug/Kg		103	29 - 166
1,2,4-Trichlorobenzene	40.0	42.6		ug/Kg		107	22 - 170
1,1,1-Trichloroethane	40.0	41.6		ug/Kg		104	72 - 134
1,1,2-Trichloroethane	40.0	42.2		ug/Kg		106	66 - 128
Trichloroethene	40.0	44.1		ug/Kg		110	69 - 118
Trichlorofluoromethane	40.0	43.4		ug/Kg		108	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	40.0		ug/Kg		100	59 - 135
Vinyl chloride	40.0	26.8		ug/Kg		67	64 - 134
Xylenes, Total	80.0	86.8		ug/Kg		109	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*60 - 124*
Dibromofluoromethane (Surr)	*112*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*
Toluene-d8 (Surr)	*118*		*67 - 134*

Lab Sample ID: LCSD 180-428003/5
Matrix: Solid
Analysis Batch: 428003

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	43.9		ug/Kg		110	23 - 170	1	35
Benzene	40.0	38.9		ug/Kg		97	77 - 120	6	20
Bromoform	40.0	36.5		ug/Kg		91	37 - 147	3	23
Bromomethane	40.0	27.3		ug/Kg		68	47 - 149	18	25
2-Butanone (MEK)	40.0	41.3		ug/Kg		103	39 - 157	3	33
Carbon disulfide	40.0	36.2		ug/Kg		90	40 - 156	4	25
Carbon tetrachloride	40.0	36.2		ug/Kg		91	73 - 130	13	21
Chlorobenzene	40.0	41.5		ug/Kg		104	79 - 122	5	20
Chlorobromomethane	40.0	39.3		ug/Kg		98	64 - 128	6	20
Chlorodibromomethane	40.0	36.3		ug/Kg		91	60 - 134	2	40
Chloroethane	40.0	33.3		ug/Kg		83	37 - 159	16	25
Chloroform	40.0	35.7		ug/Kg		89	73 - 126	11	20

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

Lab Sample ID: LCSD 180-428003/5
Matrix: Solid
Analysis Batch: 428003

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	25.6		ug/Kg		64	46 - 151	5	33
cis-1,2-Dichloroethene			40.0	40.0		ug/Kg		100	77 - 118	8	20
cis-1,3-Dichloropropene			40.0	41.6		ug/Kg		104	73 - 127	17	20
Cyclohexane			40.0	36.9		ug/Kg		92	63 - 143	4	25
1,2-Dibromo-3-Chloropropane			40.0	31.9		ug/Kg		80	30 - 163	1	34
1,2-Dibromoethane			40.0	39.5		ug/Kg		99	59 - 137	2	20
1,2-Dichlorobenzene			40.0	39.7		ug/Kg		99	76 - 120	3	20
1,3-Dichlorobenzene			40.0	42.0		ug/Kg		105	77 - 121	3	20
1,4-Dichlorobenzene			40.0	41.0		ug/Kg		103	79 - 120	3	20
Dichlorobromomethane			40.0	35.3		ug/Kg		88	75 - 123	20	20
Dichlorodifluoromethane			40.0	25.4		ug/Kg		63	26 - 149	15	24
1,1-Dichloroethane			40.0	37.0		ug/Kg		93	73 - 124	9	20
1,2-Dichloroethane			40.0	36.3		ug/Kg		91	64 - 140	13	20
1,1-Dichloroethene			40.0	38.3		ug/Kg		96	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	79.3		ug/Kg		99	77 - 119	8	20
1,2-Dichloropropane			40.0	38.7		ug/Kg		97	77 - 119	5	20
1,4-Dioxane			800	894	J	ug/Kg		112	18 - 166	14	40
Ethylbenzene			40.0	41.9		ug/Kg		105	79 - 119	3	20
2-Hexanone			40.0	38.6		ug/Kg		97	42 - 152	5	30
Isopropylbenzene			40.0	40.4		ug/Kg		101	70 - 125	3	21
Methyl acetate			80.0	62.2		ug/Kg		78	20 - 170	1	33
Methylcyclohexane			40.0	41.3		ug/Kg		103	70 - 125	4	22
Methylene Chloride			40.0	34.9		ug/Kg		87	67 - 131	12	32
4-Methyl-2-pentanone (MIBK)			40.0	34.8		ug/Kg		87	51 - 147	3	27
Methyl tert-butyl ether			40.0	37.8		ug/Kg		95	58 - 132	8	24
m-Xylene & p-Xylene			40.0	41.9		ug/Kg		105	77 - 120	3	20
o-Xylene			40.0	41.8		ug/Kg		105	78 - 118	4	20
Styrene			40.0	41.6		ug/Kg		104	80 - 120	4	20
1,1,2,2-Tetrachloroethane			40.0	34.3		ug/Kg		86	36 - 170	1	23
Tetrachloroethene			40.0	45.4		ug/Kg		114	71 - 121	2	21
Toluene			40.0	42.9		ug/Kg		107	76 - 120	3	20
trans-1,2-Dichloroethene			40.0	39.2		ug/Kg		98	75 - 122	9	20
trans-1,3-Dichloropropene			40.0	40.2		ug/Kg		101	68 - 133	0	20
1,2,3-Trichlorobenzene			40.0	41.9		ug/Kg		105	29 - 166	2	40
1,2,4-Trichlorobenzene			40.0	42.1		ug/Kg		105	22 - 170	1	29
1,1,1-Trichloroethane			40.0	36.7		ug/Kg		92	72 - 134	13	20
1,1,2-Trichloroethane			40.0	41.2		ug/Kg		103	66 - 128	3	21
Trichloroethene			40.0	41.0		ug/Kg		102	69 - 118	7	20
Trichlorofluoromethane			40.0	34.2		ug/Kg		86	32 - 149	24	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.8		ug/Kg		92	59 - 135	8	28
Vinyl chloride			40.0	26.0		ug/Kg		65	64 - 134	3	23
Xylenes, Total			80.0	83.7		ug/Kg		105	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*

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

Lab Sample ID: LCSD 180-428003/5
Matrix: Solid
Analysis Batch: 428003

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*113*		*67 - 134*

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428003

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		41.8	33.6		ug/Kg	☼	81	23 - 170
Benzene	ND		41.8	38.8		ug/Kg	☼	93	77 - 120
Bromoform	ND		41.8	29.2		ug/Kg	☼	70	37 - 147
Bromomethane	ND		41.8	26.6		ug/Kg	☼	64	47 - 149
2-Butanone (MEK)	ND		41.8	33.2		ug/Kg	☼	80	39 - 157
Carbon disulfide	ND		41.8	34.4		ug/Kg	☼	82	40 - 156
Carbon tetrachloride	ND		41.8	34.6		ug/Kg	☼	83	73 - 130
Chlorobenzene	ND		41.8	41.6		ug/Kg	☼	100	79 - 122
Chlorobromomethane	ND		41.8	35.4		ug/Kg	☼	85	64 - 128
Chlorodibromomethane	ND		41.8	31.4		ug/Kg	☼	75	60 - 134
Chloroethane	ND		41.8	31.9		ug/Kg	☼	76	37 - 159
Chloroform	ND		41.8	35.2		ug/Kg	☼	84	73 - 126
Chloromethane	ND		41.8	32.4		ug/Kg	☼	78	46 - 151
cis-1,2-Dichloroethene	ND		41.8	38.7		ug/Kg	☼	93	77 - 118
cis-1,3-Dichloropropene	ND		41.8	38.0		ug/Kg	☼	91	73 - 127
Cyclohexane	ND		41.8	37.0		ug/Kg	☼	89	63 - 143
1,2-Dibromo-3-Chloropropane	ND		41.8	24.9		ug/Kg	☼	60	30 - 163
1,2-Dibromoethane	ND		41.8	35.0		ug/Kg	☼	84	59 - 137
1,2-Dichlorobenzene	ND		41.8	38.3		ug/Kg	☼	92	76 - 120
1,3-Dichlorobenzene	ND		41.8	41.9		ug/Kg	☼	100	77 - 121
1,4-Dichlorobenzene	ND		41.8	40.7		ug/Kg	☼	97	79 - 120
Dichlorobromomethane	ND		41.8	32.9		ug/Kg	☼	79	75 - 123
Dichlorodifluoromethane	ND		41.8	25.6		ug/Kg	☼	61	26 - 149
1,1-Dichloroethane	ND		41.8	37.0		ug/Kg	☼	89	73 - 124
1,2-Dichloroethane	ND		41.8	34.0		ug/Kg	☼	81	64 - 140
1,1-Dichloroethene	ND		41.8	37.7		ug/Kg	☼	90	55 - 136
1,2-Dichloroethene, Total	ND		83.5	77.5		ug/Kg	☼	93	77 - 119
1,2-Dichloropropane	ND		41.8	38.0		ug/Kg	☼	91	77 - 119
1,4-Dioxane	ND		835	689	J	ug/Kg	☼	83	18 - 166
Ethylbenzene	ND		41.8	42.0		ug/Kg	☼	101	79 - 119
2-Hexanone	ND		41.8	31.8		ug/Kg	☼	76	42 - 152
Isopropylbenzene	ND		41.8	40.4		ug/Kg	☼	97	70 - 125
Methyl acetate	ND		83.5	49.7		ug/Kg	☼	59	20 - 170
Methylcyclohexane	ND		41.8	41.0		ug/Kg	☼	98	70 - 125
Methylene Chloride	ND		41.8	32.6		ug/Kg	☼	78	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		41.8	28.2		ug/Kg	☼	68	51 - 147
Methyl tert-butyl ether	ND		41.8	32.4		ug/Kg	☼	78	58 - 132
m-Xylene & p-Xylene	ND		41.8	42.6		ug/Kg	☼	102	77 - 120
o-Xylene	ND		41.8	41.8		ug/Kg	☼	100	78 - 118
Styrene	ND		41.8	41.7		ug/Kg	☼	100	80 - 120
1,1,2,2-Tetrachloroethane	ND		41.8	29.1		ug/Kg	☼	70	36 - 170

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

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428003

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428090

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		41.8	46.5		ug/Kg	☼	111	71 - 121
Toluene	ND		41.8	43.6		ug/Kg	☼	104	76 - 120
trans-1,2-Dichloroethene	ND		41.8	38.8		ug/Kg	☼	93	75 - 122
trans-1,3-Dichloropropene	ND		41.8	35.7		ug/Kg	☼	86	68 - 133
1,2,3-Trichlorobenzene	ND		41.8	37.5		ug/Kg	☼	90	29 - 166
1,2,4-Trichlorobenzene	ND		41.8	40.1		ug/Kg	☼	96	22 - 170
1,1,1-Trichloroethane	ND		41.8	36.0		ug/Kg	☼	86	72 - 134
1,1,2-Trichloroethane	ND		41.8	37.4		ug/Kg	☼	90	66 - 128
Trichloroethene	ND		41.8	40.3		ug/Kg	☼	97	69 - 118
Trichlorofluoromethane	ND		41.8	31.9		ug/Kg	☼	76	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.8	36.8		ug/Kg	☼	88	59 - 135
Vinyl chloride	ND	F1	41.8	24.6	F1	ug/Kg	☼	59	64 - 134
Xylenes, Total	ND		83.5	84.4		ug/Kg	☼	101	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*
Toluene-d8 (Surr)	*121*		*67 - 134*

Lab Sample ID: 180-152845-3 MSD
Matrix: Solid
Analysis Batch: 428003

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428090

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		42.0	35.2		ug/Kg	☼	84	23 - 170	4	35
Benzene	ND		42.0	37.5		ug/Kg	☼	89	77 - 120	3	20
Bromoform	ND		42.0	29.6		ug/Kg	☼	70	37 - 147	1	23
Bromomethane	ND		42.0	25.5		ug/Kg	☼	61	47 - 149	4	25
2-Butanone (MEK)	ND		42.0	33.6		ug/Kg	☼	80	39 - 157	1	33
Carbon disulfide	ND		42.0	33.9		ug/Kg	☼	81	40 - 156	1	25
Carbon tetrachloride	ND		42.0	34.8		ug/Kg	☼	83	73 - 130	1	21
Chlorobenzene	ND		42.0	40.4		ug/Kg	☼	96	79 - 122	3	20
Chlorobromomethane	ND		42.0	35.5		ug/Kg	☼	84	64 - 128	0	20
Chlorodibromomethane	ND		42.0	31.3		ug/Kg	☼	75	60 - 134	0	40
Chloroethane	ND		42.0	30.4		ug/Kg	☼	72	37 - 159	5	25
Chloroform	ND		42.0	33.9		ug/Kg	☼	81	73 - 126	4	20
Chloromethane	ND		42.0	30.9		ug/Kg	☼	74	46 - 151	5	33
cis-1,2-Dichloroethene	ND		42.0	37.7		ug/Kg	☼	90	77 - 118	3	20
cis-1,3-Dichloropropene	ND		42.0	37.5		ug/Kg	☼	89	73 - 127	1	20
Cyclohexane	ND		42.0	35.0		ug/Kg	☼	83	63 - 143	6	25
1,2-Dibromo-3-Chloropropane	ND		42.0	27.1		ug/Kg	☼	64	30 - 163	8	34
1,2-Dibromoethane	ND		42.0	34.5		ug/Kg	☼	82	59 - 137	2	20
1,2-Dichlorobenzene	ND		42.0	38.7		ug/Kg	☼	92	76 - 120	1	20
1,3-Dichlorobenzene	ND		42.0	41.5		ug/Kg	☼	99	77 - 121	1	20
1,4-Dichlorobenzene	ND		42.0	40.4		ug/Kg	☼	96	79 - 120	1	20
Dichlorobromomethane	ND		42.0	32.7		ug/Kg	☼	78	75 - 123	1	20
Dichlorodifluoromethane	ND		42.0	23.9		ug/Kg	☼	57	26 - 149	7	24

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

Lab Sample ID: 180-152845-3 MSD
Matrix: Solid
Analysis Batch: 428003

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428090

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		42.0	35.7		ug/Kg	☼	85	73 - 124	4	20
1,2-Dichloroethane	ND		42.0	33.1		ug/Kg	☼	79	64 - 140	3	20
1,1-Dichloroethene	ND		42.0	36.9		ug/Kg	☼	88	55 - 136	2	21
1,2-Dichloroethene, Total	ND		84.1	75.2		ug/Kg	☼	90	77 - 119	3	20
1,2-Dichloropropane	ND		42.0	36.1		ug/Kg	☼	86	77 - 119	5	20
1,4-Dioxane	ND		841	687	J	ug/Kg	☼	82	18 - 166	0	40
Ethylbenzene	ND		42.0	40.7		ug/Kg	☼	97	79 - 119	3	20
2-Hexanone	ND		42.0	31.5		ug/Kg	☼	75	42 - 152	1	30
Isopropylbenzene	ND		42.0	38.4		ug/Kg	☼	91	70 - 125	5	21
Methyl acetate	ND		84.1	48.9		ug/Kg	☼	58	20 - 170	2	33
Methylcyclohexane	ND		42.0	38.6		ug/Kg	☼	92	70 - 125	6	22
Methylene Chloride	ND		42.0	31.5		ug/Kg	☼	75	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)	ND		42.0	29.8		ug/Kg	☼	71	51 - 147	5	27
Methyl tert-butyl ether	ND		42.0	32.3		ug/Kg	☼	77	58 - 132	1	24
m-Xylene & p-Xylene	ND		42.0	40.4		ug/Kg	☼	96	77 - 120	5	20
o-Xylene	ND		42.0	39.7		ug/Kg	☼	94	78 - 118	5	20
Styrene	ND		42.0	39.7		ug/Kg	☼	94	80 - 120	5	20
1,1,2,2-Tetrachloroethane	ND		42.0	28.7		ug/Kg	☼	68	36 - 170	1	23
Tetrachloroethene	ND		42.0	45.1		ug/Kg	☼	107	71 - 121	3	21
Toluene	ND		42.0	41.6		ug/Kg	☼	99	76 - 120	5	20
trans-1,2-Dichloroethene	ND		42.0	37.5		ug/Kg	☼	89	75 - 122	3	20
trans-1,3-Dichloropropene	ND		42.0	35.0		ug/Kg	☼	83	68 - 133	2	20
1,2,3-Trichlorobenzene	ND		42.0	38.5		ug/Kg	☼	91	29 - 166	2	40
1,2,4-Trichlorobenzene	ND		42.0	40.0		ug/Kg	☼	95	22 - 170	0	29
1,1,1-Trichloroethane	ND		42.0	35.1		ug/Kg	☼	84	72 - 134	2	20
1,1,2-Trichloroethane	ND		42.0	36.8		ug/Kg	☼	88	66 - 128	2	21
Trichloroethene	ND		42.0	39.2		ug/Kg	☼	93	69 - 118	3	20
Trichlorofluoromethane	ND		42.0	31.5		ug/Kg	☼	75	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.0	35.1		ug/Kg	☼	84	59 - 135	5	28
Vinyl chloride	ND	F1	42.0	23.8	F1	ug/Kg	☼	57	64 - 134	4	23
Xylenes, Total	ND		84.1	80.1		ug/Kg	☼	95	78 - 118	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*122*		*67 - 134*

Lab Sample ID: MB 180-428184/6
Matrix: Solid
Analysis Batch: 428184

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			03/06/23 10:52	1
Benzene	ND		5.0	1.4	ug/Kg			03/06/23 10:52	1
Bromoform	ND		5.0	2.5	ug/Kg			03/06/23 10:52	1
Bromomethane	ND		5.0	2.3	ug/Kg			03/06/23 10:52	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			03/06/23 10:52	1

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

Lab Sample ID: MB 180-428184/6
Matrix: Solid
Analysis Batch: 428184

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			03/06/23 10:52	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			03/06/23 10:52	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			03/06/23 10:52	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			03/06/23 10:52	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			03/06/23 10:52	1
Chloroethane	ND		5.0	2.9	ug/Kg			03/06/23 10:52	1
Chloroform	ND		5.0	1.6	ug/Kg			03/06/23 10:52	1
Chloromethane	ND		5.0	2.0	ug/Kg			03/06/23 10:52	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			03/06/23 10:52	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			03/06/23 10:52	1
Cyclohexane	ND		5.0	2.4	ug/Kg			03/06/23 10:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			03/06/23 10:52	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			03/06/23 10:52	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			03/06/23 10:52	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			03/06/23 10:52	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			03/06/23 10:52	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			03/06/23 10:52	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			03/06/23 10:52	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			03/06/23 10:52	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			03/06/23 10:52	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			03/06/23 10:52	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			03/06/23 10:52	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			03/06/23 10:52	1
1,4-Dioxane	ND		1000	35	ug/Kg			03/06/23 10:52	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			03/06/23 10:52	1
2-Hexanone	ND		5.0	1.6	ug/Kg			03/06/23 10:52	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			03/06/23 10:52	1
Methyl acetate	ND		25	7.4	ug/Kg			03/06/23 10:52	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			03/06/23 10:52	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			03/06/23 10:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			03/06/23 10:52	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			03/06/23 10:52	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			03/06/23 10:52	1
o-Xylene	ND		5.0	2.0	ug/Kg			03/06/23 10:52	1
Styrene	ND		5.0	1.5	ug/Kg			03/06/23 10:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			03/06/23 10:52	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			03/06/23 10:52	1
Toluene	ND		5.0	1.4	ug/Kg			03/06/23 10:52	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			03/06/23 10:52	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			03/06/23 10:52	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			03/06/23 10:52	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			03/06/23 10:52	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			03/06/23 10:52	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			03/06/23 10:52	1
Trichloroethene	ND		5.0	1.6	ug/Kg			03/06/23 10:52	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			03/06/23 10:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			03/06/23 10:52	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			03/06/23 10:52	1
Xylenes, Total	ND		10	7.2	ug/Kg			03/06/23 10:52	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 124		03/06/23 10:52	1
Dibromofluoromethane (Surr)	98		69 - 126		03/06/23 10:52	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 135		03/06/23 10:52	1
Toluene-d8 (Surr)	111		67 - 134		03/06/23 10:52	1

Lab Sample ID: LCS 180-428184/3
Matrix: Solid
Analysis Batch: 428184

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	51.5		ug/Kg		129	23 - 170
Benzene	40.0	41.7		ug/Kg		104	77 - 120
Bromoform	40.0	39.8		ug/Kg		99	37 - 147
Bromomethane	40.0	29.8		ug/Kg		75	47 - 149
2-Butanone (MEK)	40.0	45.8		ug/Kg		114	39 - 157
Carbon disulfide	40.0	38.1		ug/Kg		95	40 - 156
Carbon tetrachloride	40.0	41.0		ug/Kg		102	73 - 130
Chlorobenzene	40.0	43.2		ug/Kg		108	79 - 122
Chlorobromomethane	40.0	44.4		ug/Kg		111	64 - 128
Chlorodibromomethane	40.0	41.1		ug/Kg		103	60 - 134
Chloroethane	40.0	33.1		ug/Kg		83	37 - 159
Chloroform	40.0	40.8		ug/Kg		102	73 - 126
Chloromethane	40.0	26.6		ug/Kg		66	46 - 151
cis-1,2-Dichloroethene	40.0	43.6		ug/Kg		109	77 - 118
cis-1,3-Dichloropropene	40.0	47.8		ug/Kg		120	73 - 127
Cyclohexane	40.0	37.8		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	33.5		ug/Kg		84	30 - 163
1,2-Dibromoethane	40.0	43.0		ug/Kg		107	59 - 137
1,2-Dichlorobenzene	40.0	36.5		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	43.7		ug/Kg		109	77 - 121
1,4-Dichlorobenzene	40.0	43.8		ug/Kg		110	79 - 120
Dichlorobromomethane	40.0	42.2		ug/Kg		106	75 - 123
Dichlorodifluoromethane	40.0	28.9		ug/Kg		72	26 - 149
1,1-Dichloroethane	40.0	41.0		ug/Kg		102	73 - 124
1,2-Dichloroethane	40.0	44.1		ug/Kg		110	64 - 140
1,1-Dichloroethene	40.0	40.9		ug/Kg		102	55 - 136
1,2-Dichloroethene, Total	80.0	85.1		ug/Kg		106	77 - 119
1,2-Dichloropropane	40.0	42.5		ug/Kg		106	77 - 119
1,4-Dioxane	800	962	J	ug/Kg		120	18 - 166
Ethylbenzene	40.0	42.7		ug/Kg		107	79 - 119
2-Hexanone	40.0	41.8		ug/Kg		105	42 - 152
Isopropylbenzene	40.0	41.4		ug/Kg		103	70 - 125
Methyl acetate	80.0	69.2		ug/Kg		87	20 - 170
Methylcyclohexane	40.0	41.9		ug/Kg		105	70 - 125
Methylene Chloride	40.0	40.0		ug/Kg		100	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	37.7		ug/Kg		94	51 - 147
Methyl tert-butyl ether	40.0	43.1		ug/Kg		108	58 - 132
m-Xylene & p-Xylene	40.0	42.2		ug/Kg		105	77 - 120
o-Xylene	40.0	42.9		ug/Kg		107	78 - 118
Styrene	40.0	44.0		ug/Kg		110	80 - 120
1,1,2,2-Tetrachloroethane	40.0	40.8		ug/Kg		102	36 - 170

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

Lab Sample ID: LCS 180-428184/3
Matrix: Solid
Analysis Batch: 428184

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	44.3		ug/Kg		111	71 - 121
Toluene	40.0	43.9		ug/Kg		110	76 - 120
trans-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	75 - 122
trans-1,3-Dichloropropene	40.0	43.6		ug/Kg		109	68 - 133
1,2,3-Trichlorobenzene	40.0	36.0		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	37.0		ug/Kg		93	22 - 170
1,1,1-Trichloroethane	40.0	40.9		ug/Kg		102	72 - 134
1,1,2-Trichloroethane	40.0	44.1		ug/Kg		110	66 - 128
Trichloroethene	40.0	43.0		ug/Kg		108	69 - 118
Trichlorofluoromethane	40.0	37.3		ug/Kg		93	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.9		ug/Kg		97	59 - 135
Vinyl chloride	40.0	25.4		ug/Kg		64	64 - 134
Xylenes, Total	80.0	85.1		ug/Kg		106	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*90*		*67 - 134*

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

Lab Sample ID: MB 180-428078/1-A
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Acenaphthylene	ND		67	15	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Acetophenone	ND		670	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Anthracene	ND		67	17	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Atrazine	ND		670	150	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Benzaldehyde	ND		670	41	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Benzo[a]anthracene	ND		67	30	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Benzo[a]pyrene	ND		67	29	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
1,1'-Biphenyl	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Caprolactam	ND		1700	220	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Carbazole	ND		67	16	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4-Chloroaniline	ND		330	88	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1

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

Lab Sample ID: MB 180-428078/1-A
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		67	15	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2-Chlorophenol	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Chrysene	ND		67	37	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Dibenzofuran	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Diethyl phthalate	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Dimethyl phthalate	ND		330	130	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
1,4-Dioxane	ND		670	100	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Fluoranthene	ND		67	18	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Fluorene	ND		67	13	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Hexachlorobenzene	ND		67	24	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Hexachlorobutadiene	ND		67	20	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Hexachloroethane	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Isophorone	ND		330	130	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2-Methylnaphthalene	ND		67	16	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2-Methylphenol	ND		330	96	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Naphthalene	ND		67	13	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2-Nitroaniline	ND		1700	150	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
3-Nitroaniline	ND		1700	85	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4-Nitroaniline	ND		1700	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Nitrobenzene	ND		670	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2-Nitrophenol	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
4-Nitrophenol	ND		1700	230	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Pentachlorophenol	ND		1700	540	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Phenanthrene	ND		67	18	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Phenol	ND		330	100	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
Pyrene	ND		67	16	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		03/03/23 13:42	03/06/23 08:41	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		03/03/23 13:42	03/06/23 08:41	1

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

Lab Sample ID: MB 180-428078/1-A
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428078

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		44 - 105	03/03/23 13:42	03/06/23 08:41	1
2-Fluorophenol (Surr)	83		48 - 105	03/03/23 13:42	03/06/23 08:41	1
Nitrobenzene-d5 (Surr)	81		46 - 105	03/03/23 13:42	03/06/23 08:41	1
Phenol-d5 (Surr)	71		46 - 105	03/03/23 13:42	03/06/23 08:41	1
Terphenyl-d14 (Surr)	81		39 - 105	03/03/23 13:42	03/06/23 08:41	1
2,4,6-Tribromophenol (Surr)	72		34 - 108	03/03/23 13:42	03/06/23 08:41	1

Lab Sample ID: LCS 180-428078/2-A
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 428078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4860		ug/Kg		73	50 - 100
Acenaphthylene	6670	4740		ug/Kg		71	52 - 100
Acetophenone	6670	4170		ug/Kg		63	48 - 100
Anthracene	6670	4930		ug/Kg		74	53 - 100
Atrazine	6670	4730		ug/Kg		71	49 - 103
Benzaldehyde	6670	6850		ug/Kg		103	23 - 105
Benzo[a]anthracene	6670	4820		ug/Kg		72	51 - 100
Benzo[a]pyrene	6670	4830		ug/Kg		72	51 - 100
Benzo[b]fluoranthene	6670	4510		ug/Kg		68	48 - 100
Benzo[g,h,i]perylene	6670	4220		ug/Kg		63	48 - 105
Benzo[k]fluoranthene	6670	4660		ug/Kg		70	19 - 100
1,1'-Biphenyl	6670	4680		ug/Kg		70	50 - 100
Bis(2-chloroethoxy)methane	6670	4020		ug/Kg		60	49 - 100
Bis(2-chloroethyl)ether	6670	4070		ug/Kg		61	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5670		ug/Kg		85	53 - 107
4-Bromophenyl phenyl ether	6670	4840		ug/Kg		73	52 - 101
Butyl benzyl phthalate	6670	5650		ug/Kg		85	52 - 107
Caprolactam	6670	4980		ug/Kg		75	48 - 111
Carbazole	6670	4810		ug/Kg		72	53 - 100
4-Chloroaniline	6670	4510		ug/Kg		68	47 - 100
4-Chloro-3-methylphenol	6670	4530		ug/Kg		68	49 - 106
2-Chloronaphthalene	6670	4460		ug/Kg		67	51 - 100
2-Chlorophenol	6670	4360		ug/Kg		65	51 - 100
4-Chlorophenyl phenyl ether	6670	4640		ug/Kg		70	52 - 100
Chrysene	6670	4380		ug/Kg		66	50 - 100
Dibenz(a,h)anthracene	6670	4530		ug/Kg		68	50 - 107
Dibenzofuran	6670	4540		ug/Kg		68	52 - 100
3,3'-Dichlorobenzidine	6670	5010		ug/Kg		75	43 - 100
2,4-Dichlorophenol	6670	4120		ug/Kg		62	53 - 101
Diethyl phthalate	6670	4650		ug/Kg		70	48 - 104
2,4-Dimethylphenol	6670	4700		ug/Kg		70	51 - 101
Dimethyl phthalate	6670	4710		ug/Kg		71	53 - 100
Di-n-butyl phthalate	6670	5180		ug/Kg		78	57 - 102
4,6-Dinitro-2-methylphenol	13300	8220		ug/Kg		62	51 - 100
2,4-Dinitrophenol	13300	6710		ug/Kg		50	33 - 101
2,4-Dinitrotoluene	6670	5010		ug/Kg		75	54 - 104

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

Lab Sample ID: LCS 180-428078/2-A
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 428078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	6670	4800		ug/Kg		72	51 - 106
Di-n-octyl phthalate	6670	6350		ug/Kg		95	41 - 106
1,4-Dioxane	6670	5110		ug/Kg		77	25 - 125
Fluoranthene	6670	4860		ug/Kg		73	55 - 100
Fluorene	6670	4720		ug/Kg		71	52 - 100
Hexachlorobenzene	6670	4530		ug/Kg		68	49 - 100
Hexachlorobutadiene	6670	4490		ug/Kg		67	38 - 107
Hexachlorocyclopentadiene	6670	4790		ug/Kg		72	33 - 117
Hexachloroethane	6670	4560		ug/Kg		68	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4640		ug/Kg		70	51 - 103
Isophorone	6670	4950		ug/Kg		74	48 - 105
2-Methylnaphthalene	6670	4760		ug/Kg		71	53 - 100
2-Methylphenol	6670	4100		ug/Kg		62	50 - 101
Methylphenol, 3 & 4	6670	4090		ug/Kg		61	50 - 103
Naphthalene	6670	4550		ug/Kg		68	51 - 100
2-Nitroaniline	6670	6030		ug/Kg		90	42 - 123
3-Nitroaniline	6670	4910		ug/Kg		74	50 - 103
4-Nitroaniline	6670	4850		ug/Kg		73	52 - 103
Nitrobenzene	6670	5050		ug/Kg		76	44 - 108
2-Nitrophenol	6670	5110		ug/Kg		77	55 - 107
4-Nitrophenol	13300	10900		ug/Kg		82	30 - 134
N-Nitrosodi-n-propylamine	6670	4780		ug/Kg		72	45 - 107
N-Nitrosodiphenylamine	6670	4800		ug/Kg		72	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4100		ug/Kg		61	30 - 113
Pentachlorophenol	13300	8790		ug/Kg		66	42 - 110
Phenanthrene	6670	4580		ug/Kg		69	53 - 100
Phenol	6670	4090		ug/Kg		61	49 - 100
Pyrene	6670	4760		ug/Kg		71	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4640		ug/Kg		70	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4490		ug/Kg		67	47 - 104
2,4,5-Trichlorophenol	6670	4380		ug/Kg		66	50 - 104
2,4,6-Trichlorophenol	6670	4770		ug/Kg		72	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*44 - 105*
2-Fluorophenol (Surr)	*73*		*48 - 105*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*
Phenol-d5 (Surr)	*65*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7060	5300		ug/Kg	☼	75	50 - 100
Acenaphthylene	ND		7060	5190		ug/Kg	☼	74	52 - 100

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

Lab Sample ID: 180-152845-3 MS
Client Sample ID: SSHS-IRM5A2-HR-B3
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428174
Prep Batch: 428078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetophenone	ND		7060	4250		ug/Kg	☼	60	48 - 100
Anthracene	ND		7060	5410		ug/Kg	☼	77	53 - 100
Atrazine	ND		7060	4620		ug/Kg	☼	65	49 - 103
Benzaldehyde	ND		7060	4930		ug/Kg	☼	70	23 - 105
Benzo[a]anthracene	ND		7060	5290		ug/Kg	☼	75	51 - 100
Benzo[a]pyrene	ND		7060	5300		ug/Kg	☼	75	51 - 100
Benzo[b]fluoranthene	ND		7060	4880		ug/Kg	☼	69	48 - 100
Benzo[g,h,i]perylene	ND		7060	4990		ug/Kg	☼	71	48 - 105
Benzo[k]fluoranthene	ND		7060	5390		ug/Kg	☼	76	19 - 100
1,1'-Biphenyl	ND		7060	5270		ug/Kg	☼	75	50 - 100
Bis(2-chloroethoxy)methane	ND		7060	4590		ug/Kg	☼	65	49 - 100
Bis(2-chloroethyl)ether	ND		7060	4330		ug/Kg	☼	61	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7060	6230		ug/Kg	☼	88	53 - 107
4-Bromophenyl phenyl ether	ND		7060	5390		ug/Kg	☼	76	52 - 101
Butyl benzyl phthalate	ND		7060	6180		ug/Kg	☼	87	52 - 107
Caprolactam	ND		7060	5130		ug/Kg	☼	73	48 - 111
Carbazole	ND		7060	5210		ug/Kg	☼	74	53 - 100
4-Chloroaniline	ND		7060	3850		ug/Kg	☼	55	47 - 100
4-Chloro-3-methylphenol	ND		7060	4940		ug/Kg	☼	70	49 - 106
2-Chloronaphthalene	ND		7060	5020		ug/Kg	☼	71	51 - 100
2-Chlorophenol	ND		7060	4760		ug/Kg	☼	67	51 - 100
4-Chlorophenyl phenyl ether	ND		7060	5090		ug/Kg	☼	72	52 - 100
Chrysene	ND		7060	4950		ug/Kg	☼	70	50 - 100
Dibenz(a,h)anthracene	ND		7060	5200		ug/Kg	☼	74	50 - 107
Dibenzofuran	ND		7060	5010		ug/Kg	☼	71	52 - 100
3,3'-Dichlorobenzidine	ND		7060	4480		ug/Kg	☼	64	43 - 100
2,4-Dichlorophenol	ND		7060	4920		ug/Kg	☼	70	53 - 101
Diethyl phthalate	ND		7060	5050		ug/Kg	☼	72	48 - 104
2,4-Dimethylphenol	ND		7060	5320		ug/Kg	☼	75	51 - 101
Dimethyl phthalate	ND		7060	5130		ug/Kg	☼	73	53 - 100
Di-n-butyl phthalate	ND		7060	5730		ug/Kg	☼	81	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	14100	6570	F1	ug/Kg	☼	46	51 - 100
2,4-Dinitrophenol	ND	F1	14100	2880	J F1	ug/Kg	☼	20	33 - 101
2,4-Dinitrotoluene	ND		7060	5340		ug/Kg	☼	76	54 - 104
2,6-Dinitrotoluene	ND		7060	5160		ug/Kg	☼	73	51 - 106
Di-n-octyl phthalate	ND		7060	6860		ug/Kg	☼	97	41 - 106
1,4-Dioxane	ND		7060	4750		ug/Kg	☼	67	25 - 125
Fluoranthene	ND		7060	5330		ug/Kg	☼	75	55 - 100
Fluorene	ND		7060	5070		ug/Kg	☼	72	52 - 100
Hexachlorobenzene	ND		7060	5040		ug/Kg	☼	71	49 - 100
Hexachlorobutadiene	ND		7060	5260		ug/Kg	☼	74	38 - 107
Hexachlorocyclopentadiene	ND		7060	5180		ug/Kg	☼	73	33 - 117
Hexachloroethane	ND		7060	4830		ug/Kg	☼	68	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7060	5300		ug/Kg	☼	75	51 - 103
Isophorone	ND		7060	5610		ug/Kg	☼	79	48 - 105
2-Methylnaphthalene	ND		7060	5150		ug/Kg	☼	73	53 - 100
2-Methylphenol	ND		7060	4320		ug/Kg	☼	61	50 - 101
Methylphenol, 3 & 4	ND		7060	4360		ug/Kg	☼	62	50 - 103
Naphthalene	ND		7060	5130		ug/Kg	☼	73	51 - 100

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

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428078

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	ND		7060	6300		ug/Kg	☼	89	42 - 123
3-Nitroaniline	ND		7060	4520		ug/Kg	☼	64	50 - 103
4-Nitroaniline	ND		7060	4680		ug/Kg	☼	66	52 - 103
Nitrobenzene	ND		7060	5710		ug/Kg	☼	81	44 - 108
2-Nitrophenol	ND		7060	5630		ug/Kg	☼	80	55 - 107
4-Nitrophenol	ND		14100	11600		ug/Kg	☼	82	30 - 134
N-Nitrosodi-n-propylamine	ND		7060	5160		ug/Kg	☼	73	45 - 107
N-Nitrosodiphenylamine	ND		7060	5300		ug/Kg	☼	75	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7060	4350		ug/Kg	☼	62	30 - 113
Pentachlorophenol	ND		14100	8940		ug/Kg	☼	63	42 - 110
Phenanthrene	ND		7060	4990		ug/Kg	☼	71	53 - 100
Phenol	ND		7060	4360		ug/Kg	☼	62	49 - 100
Pyrene	ND		7060	5400		ug/Kg	☼	76	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7060	5250		ug/Kg	☼	74	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7060	4720		ug/Kg	☼	67	47 - 104
2,4,5-Trichlorophenol	ND		7060	4970		ug/Kg	☼	70	50 - 104
2,4,6-Trichlorophenol	ND		7060	5160		ug/Kg	☼	73	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*44 - 105*
2-Fluorophenol (Surr)	*74*		*48 - 105*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*
Phenol-d5 (Surr)	*65*		*46 - 105*
Terphenyl-d14 (Surr)	*79*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*

Lab Sample ID: 180-152845-3 MSD
Matrix: Solid
Analysis Batch: 428174

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7030	5230		ug/Kg	☼	74	50 - 100	1	20
Acenaphthylene	ND		7030	5110		ug/Kg	☼	73	52 - 100	2	20
Acetophenone	ND		7030	4280		ug/Kg	☼	61	48 - 100	1	17
Anthracene	ND		7030	5350		ug/Kg	☼	76	53 - 100	1	20
Atrazine	ND		7030	4630		ug/Kg	☼	66	49 - 103	0	19
Benzaldehyde	ND		7030	5020		ug/Kg	☼	71	23 - 105	2	31
Benzo[a]anthracene	ND		7030	5160		ug/Kg	☼	73	51 - 100	2	21
Benzo[a]pyrene	ND		7030	5190		ug/Kg	☼	74	51 - 100	2	20
Benzo[b]fluoranthene	ND		7030	4860		ug/Kg	☼	69	48 - 100	0	20
Benzo[g,h,i]perylene	ND		7030	4770		ug/Kg	☼	68	48 - 105	4	19
Benzo[k]fluoranthene	ND		7030	5340		ug/Kg	☼	76	19 - 100	1	20
1,1'-Biphenyl	ND		7030	5050		ug/Kg	☼	72	50 - 100	4	19
Bis(2-chloroethoxy)methane	ND		7030	4390		ug/Kg	☼	63	49 - 100	4	20
Bis(2-chloroethyl)ether	ND		7030	4380		ug/Kg	☼	62	48 - 100	1	18
Bis(2-ethylhexyl) phthalate	ND		7030	5830		ug/Kg	☼	83	53 - 107	7	20
4-Bromophenyl phenyl ether	ND		7030	5210		ug/Kg	☼	74	52 - 101	3	20
Butyl benzyl phthalate	ND		7030	6020		ug/Kg	☼	86	52 - 107	3	19

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

Lab Sample ID: 180-152845-3 MSD
Client Sample ID: SSHS-IRM5A2-HR-B3
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428174
Prep Batch: 428078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Caprolactam	ND		7030	5000		ug/Kg	☼	71	48 - 111	3	23
Carbazole	ND		7030	5310		ug/Kg	☼	76	53 - 100	2	20
4-Chloroaniline	ND		7030	3800		ug/Kg	☼	54	47 - 100	1	20
4-Chloro-3-methylphenol	ND		7030	4890		ug/Kg	☼	70	49 - 106	1	20
2-Chloronaphthalene	ND		7030	4910		ug/Kg	☼	70	51 - 100	2	20
2-Chlorophenol	ND		7030	4850		ug/Kg	☼	69	51 - 100	2	17
4-Chlorophenyl phenyl ether	ND		7030	5170		ug/Kg	☼	74	52 - 100	2	19
Chrysene	ND		7030	4800		ug/Kg	☼	68	50 - 100	3	20
Dibenz(a,h)anthracene	ND		7030	4940		ug/Kg	☼	70	50 - 107	5	21
Dibenzofuran	ND		7030	4940		ug/Kg	☼	70	52 - 100	1	19
3,3'-Dichlorobenzidine	ND		7030	4310		ug/Kg	☼	61	43 - 100	4	19
2,4-Dichlorophenol	ND		7030	4740		ug/Kg	☼	67	53 - 101	4	22
Diethyl phthalate	ND		7030	5070		ug/Kg	☼	72	48 - 104	0	20
2,4-Dimethylphenol	ND		7030	5190		ug/Kg	☼	74	51 - 101	3	32
Dimethyl phthalate	ND		7030	5080		ug/Kg	☼	72	53 - 100	1	21
Di-n-butyl phthalate	ND		7030	5660		ug/Kg	☼	81	57 - 102	1	20
4,6-Dinitro-2-methylphenol	ND	F1	14100	6040	F1	ug/Kg	☼	43	51 - 100	8	22
2,4-Dinitrophenol	ND	F1	14100	2940	J F1	ug/Kg	☼	21	33 - 101	2	20
2,4-Dinitrotoluene	ND		7030	5380		ug/Kg	☼	76	54 - 104	1	20
2,6-Dinitrotoluene	ND		7030	5260		ug/Kg	☼	75	51 - 106	2	20
Di-n-octyl phthalate	ND		7030	6650		ug/Kg	☼	95	41 - 106	3	18
1,4-Dioxane	ND		7030	4800		ug/Kg	☼	68	25 - 125	1	17
Fluoranthene	ND		7030	5330		ug/Kg	☼	76	55 - 100	0	20
Fluorene	ND		7030	5030		ug/Kg	☼	72	52 - 100	1	19
Hexachlorobenzene	ND		7030	5030		ug/Kg	☼	72	49 - 100	0	20
Hexachlorobutadiene	ND		7030	5070		ug/Kg	☼	72	38 - 107	4	22
Hexachlorocyclopentadiene	ND		7030	4990		ug/Kg	☼	71	33 - 117	4	19
Hexachloroethane	ND		7030	4720		ug/Kg	☼	67	47 - 100	2	17
Indeno[1,2,3-cd]pyrene	ND		7030	4950		ug/Kg	☼	70	51 - 103	7	19
Isophorone	ND		7030	5440		ug/Kg	☼	77	48 - 105	3	20
2-Methylnaphthalene	ND		7030	4960		ug/Kg	☼	71	53 - 100	4	21
2-Methylphenol	ND		7030	4560		ug/Kg	☼	65	50 - 101	5	17
Methylphenol, 3 & 4	ND		7030	4440		ug/Kg	☼	63	50 - 103	2	19
Naphthalene	ND		7030	4970		ug/Kg	☼	71	51 - 100	3	20
2-Nitroaniline	ND		7030	6310		ug/Kg	☼	90	42 - 123	0	19
3-Nitroaniline	ND		7030	4520		ug/Kg	☼	64	50 - 103	0	20
4-Nitroaniline	ND		7030	4690		ug/Kg	☼	67	52 - 103	0	18
Nitrobenzene	ND		7030	5480		ug/Kg	☼	78	44 - 108	4	21
2-Nitrophenol	ND		7030	5410		ug/Kg	☼	77	55 - 107	4	19
4-Nitrophenol	ND		14100	11600		ug/Kg	☼	83	30 - 134	0	18
N-Nitrosodi-n-propylamine	ND		7030	5240		ug/Kg	☼	75	45 - 107	2	18
N-Nitrosodiphenylamine	ND		7030	5160		ug/Kg	☼	73	52 - 100	3	20
2,2'-oxybis[1-chloropropane]	ND		7030	4320		ug/Kg	☼	61	30 - 113	1	17
Pentachlorophenol	ND		14100	8940		ug/Kg	☼	64	42 - 110	0	20
Phenanthrene	ND		7030	4960		ug/Kg	☼	71	53 - 100	1	20
Phenol	ND		7030	4430		ug/Kg	☼	63	49 - 100	2	16
Pyrene	ND		7030	5190		ug/Kg	☼	74	52 - 100	4	20
1,2,4,5-Tetrachlorobenzene	ND		7030	5160		ug/Kg	☼	73	41 - 104	2	21
2,3,4,6-Tetrachlorophenol	ND		7030	4720		ug/Kg	☼	67	47 - 104	0	18

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

Lab Sample ID: 180-152845-3 MSD
Client Sample ID: SSHS-IRM5A2-HR-B3
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428174
Prep Batch: 428078

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		7030	4920		ug/Kg	☼	70	50 - 104	1	21
2,4,6-Trichlorophenol	ND		7030	5100		ug/Kg	☼	73	50 - 105	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*44 - 105*
2-Fluorophenol (Surr)	*76*		*48 - 105*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*
Phenol-d5 (Surr)	*67*		*46 - 105*
Terphenyl-d14 (Surr)	*75*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*

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

Lab Sample ID: MB 180-428210/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428610
Prep Batch: 428210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1221	ND		17	5.9	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1232	ND		17	4.1	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1242	ND		17	2.4	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1248	ND		17	4.0	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1254	ND		17	5.0	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1260	ND		17	4.7	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1262	ND		17	5.9	ug/Kg		03/06/23 10:05	03/09/23 14:59	1
PCB-1268	ND		17	2.2	ug/Kg		03/06/23 10:05	03/09/23 14:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*03/06/23 10:05*	*03/09/23 14:59*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*03/06/23 10:05*	*03/09/23 14:59*	*1*
Tetrachloro-m-xylene (Surr)	*60*		*55 - 135*	*03/06/23 10:05*	*03/09/23 14:59*	*1*
Tetrachloro-m-xylene (Surr)	*57*		*55 - 135*	*03/06/23 10:05*	*03/09/23 14:59*	*1*

Lab Sample ID: LCS 180-428210/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428610
Prep Batch: 428210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1600		ug/Kg		120	43 - 136
PCB-1260	1330	1310		ug/Kg		98	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*132*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*136*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*

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

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428610

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1420	1930		ug/Kg	☼	136	43 - 136
PCB-1260	ND		1420	1490		ug/Kg	☼	105	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*127*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*130*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*

Lab Sample ID: 180-152845-3 MSD
Matrix: Solid
Analysis Batch: 428610

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428210

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1410	1500		ug/Kg	☼	106	43 - 136	25	40
PCB-1260	ND		1410	1240		ug/Kg	☼	88	55 - 128	18	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-428189/1-A
Matrix: Solid
Analysis Batch: 428451

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Antimony	ND		1.0	0.30	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Arsenic	ND		1.0	0.63	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Barium	ND		20	3.6	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Beryllium	ND		0.40	0.11	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Cadmium	ND		0.50	0.073	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Calcium	ND		500	65	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Chromium	ND		0.50	0.46	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Cobalt	ND		5.0	0.70	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Copper	ND		2.5	1.5	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Iron	ND		10	9.7	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Lead	ND		1.0	0.87	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Magnesium	ND		500	55	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Manganese	ND		1.5	0.28	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Nickel	ND		4.0	0.50	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Potassium	ND		500	85	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Selenium	ND		1.0	0.46	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Silver	ND		0.50	0.10	mg/Kg		03/06/23 08:12	03/07/23 18:13	1

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

Lab Sample ID: MB 180-428189/1-A
Matrix: Solid
Analysis Batch: 428451

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		500	51	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Thallium	ND		2.0	0.28	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Vanadium	ND		5.0	0.79	mg/Kg		03/06/23 08:12	03/07/23 18:13	1
Zinc	ND		2.0	1.5	mg/Kg		03/06/23 08:12	03/07/23 18:13	1

Lab Sample ID: LCS 180-428189/2-A
Matrix: Solid
Analysis Batch: 428451

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 428189

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	572		mg/Kg		114	80 - 120
Antimony	25.0	29.2		mg/Kg		117	80 - 120
Arsenic	100	118		mg/Kg		118	80 - 120
Barium	100	102		mg/Kg		102	80 - 120
Beryllium	50.0	59.4		mg/Kg		119	80 - 120
Cadmium	50.0	60.4	*+	mg/Kg		121	80 - 120
Calcium	2500	2860		mg/Kg		114	80 - 120
Chromium	50.0	56.4		mg/Kg		113	80 - 120
Cobalt	50.0	56.7		mg/Kg		113	80 - 120
Copper	50.0	57.2		mg/Kg		114	80 - 120
Iron	500	557		mg/Kg		111	80 - 120
Lead	50.0	52.9		mg/Kg		106	80 - 120
Magnesium	2500	2810		mg/Kg		113	80 - 120
Manganese	50.0	57.5		mg/Kg		115	80 - 120
Nickel	50.0	57.6		mg/Kg		115	80 - 120
Potassium	2500	2750		mg/Kg		110	80 - 120
Selenium	100	106		mg/Kg		106	80 - 120
Silver	25.0	28.0		mg/Kg		112	80 - 120
Sodium	2500	2830		mg/Kg		113	80 - 120
Thallium	100	103		mg/Kg		103	80 - 120
Vanadium	50.0	54.2		mg/Kg		108	80 - 120
Zinc	25.0	28.5		mg/Kg		114	80 - 120

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428451

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428189

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7100		401	8870	4	mg/Kg	☼	447	75 - 125
Antimony	ND	F1	20.1	10.5	F1	mg/Kg	☼	52	75 - 125
Arsenic	6.4		80.3	73.4		mg/Kg	☼	83	75 - 125
Barium	60		80.3	126		mg/Kg	☼	83	75 - 125
Beryllium	0.29	J	40.1	32.1		mg/Kg	☼	79	75 - 125
Cadmium	ND	*+	40.1	33.9		mg/Kg	☼	85	75 - 125
Calcium	4300	F1	2010	5010	F1	mg/Kg	☼	35	75 - 125
Chromium	8.7		40.1	39.7		mg/Kg	☼	77	75 - 125
Cobalt	7.1		40.1	41.1		mg/Kg	☼	85	75 - 125
Copper	15		40.1	51.4		mg/Kg	☼	92	75 - 125
Iron	17000		401	20900	4	mg/Kg	☼	864	75 - 125

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

Lab Sample ID: 180-152845-3 MS
Matrix: Solid
Analysis Batch: 428451

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428189

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	6.8	F2 F1	40.1	50.4		mg/Kg	☼	109	75 - 125
Magnesium	2500	F1	2010	4230		mg/Kg	☼	87	75 - 125
Manganese	310		40.1	474	4	mg/Kg	☼	416	75 - 125
Nickel	16		40.1	51.8		mg/Kg	☼	88	75 - 125
Potassium	410		2010	1900		mg/Kg	☼	75	75 - 125
Selenium	ND	F1	80.3	57.0	F1	mg/Kg	☼	71	75 - 125
Silver	ND		20.1	16.0		mg/Kg	☼	80	75 - 125
Sodium	63	J	2010	1640		mg/Kg	☼	78	75 - 125
Thallium	ND	F1	80.3	59.5	F1	mg/Kg	☼	74	75 - 125
Vanadium	9.4		40.1	42.3		mg/Kg	☼	82	75 - 125
Zinc	40	F1	20.1	61.0		mg/Kg	☼	105	75 - 125

Lab Sample ID: 180-152845-3 MSD
Matrix: Solid
Analysis Batch: 428451

Client Sample ID: SSHS-IRM5A2-HR-B3
Prep Type: Total/NA
Prep Batch: 428189

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7100		345	10100	4	mg/Kg	☼	890	75 - 125	13	20
Antimony	ND	F1	17.2	8.86	F1	mg/Kg	☼	51	75 - 125	17	20
Arsenic	6.4		68.9	66.0		mg/Kg	☼	86	75 - 125	11	20
Barium	60		68.9	123		mg/Kg	☼	92	75 - 125	2	20
Beryllium	0.29	J	34.5	27.5		mg/Kg	☼	79	75 - 125	16	20
Cadmium	ND	*+	34.5	29.5		mg/Kg	☼	86	75 - 125	14	20
Calcium	4300	F1	1720	5450	F1	mg/Kg	☼	66	75 - 125	8	20
Chromium	8.7		34.5	37.3		mg/Kg	☼	83	75 - 125	6	20
Cobalt	7.1		34.5	39.1		mg/Kg	☼	93	75 - 125	5	20
Copper	15		34.5	48.3		mg/Kg	☼	98	75 - 125	6	20
Iron	17000		345	22800	4	mg/Kg	☼	1558	75 - 125	9	20
Lead	6.8	F2 F1	34.5	102	F1 F2	mg/Kg	☼	276	75 - 125	68	20
Magnesium	2500	F1	1720	4680	F1	mg/Kg	☼	127	75 - 125	10	20
Manganese	310		34.5	414	4	mg/Kg	☼	312	75 - 125	13	20
Nickel	16		34.5	52.6		mg/Kg	☼	105	75 - 125	2	20
Potassium	410		1720	1790		mg/Kg	☼	80	75 - 125	6	20
Selenium	ND	F1	68.9	50.0	F1	mg/Kg	☼	72	75 - 125	13	20
Silver	ND		17.2	14.2		mg/Kg	☼	83	75 - 125	12	20
Sodium	63	J	1720	1440		mg/Kg	☼	80	75 - 125	13	20
Thallium	ND	F1	68.9	53.0		mg/Kg	☼	77	75 - 125	12	20
Vanadium	9.4		34.5	37.8		mg/Kg	☼	82	75 - 125	11	20
Zinc	40	F1	17.2	66.0	F1	mg/Kg	☼	151	75 - 125	8	20

Lab Sample ID: MB 180-428407/1-A
Matrix: Solid
Analysis Batch: 428750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Antimony	ND		1.0	0.30	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Arsenic	ND		1.0	0.63	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Barium	ND		20	3.6	mg/Kg		03/07/23 13:59	03/09/23 09:53	1

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

Lab Sample ID: MB 180-428407/1-A
Matrix: Solid
Analysis Batch: 428750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 428407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.40	0.11	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Cadmium	ND		0.50	0.073	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Calcium	ND		500	65	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Chromium	ND		0.50	0.46	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Cobalt	ND		5.0	0.70	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Copper	ND		2.5	1.5	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Iron	ND		10	9.7	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Lead	ND		1.0	0.87	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Magnesium	ND		500	55	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Manganese	ND		1.5	0.28	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Nickel	ND		4.0	0.50	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Potassium	ND		500	85	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Selenium	ND		1.0	0.46	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Silver	ND		0.50	0.10	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Sodium	ND		500	51	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Thallium	ND		2.0	0.28	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Vanadium	ND		5.0	0.79	mg/Kg		03/07/23 13:59	03/09/23 09:53	1
Zinc	ND		2.0	1.5	mg/Kg		03/07/23 13:59	03/09/23 09:53	1

Lab Sample ID: LCS 180-428407/2-A
Matrix: Solid
Analysis Batch: 428750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 428407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	502		mg/Kg		100	80 - 120
Antimony	25.0	24.0		mg/Kg		96	80 - 120
Arsenic	100	103		mg/Kg		103	80 - 120
Barium	100	99.1		mg/Kg		99	80 - 120
Beryllium	50.0	50.9		mg/Kg		102	80 - 120
Cadmium	50.0	50.3		mg/Kg		101	80 - 120
Calcium	2500	2560		mg/Kg		102	80 - 120
Chromium	50.0	49.6		mg/Kg		99	80 - 120
Cobalt	50.0	49.2		mg/Kg		98	80 - 120
Copper	50.0	50.2		mg/Kg		100	80 - 120
Iron	500	512		mg/Kg		102	80 - 120
Lead	50.0	49.6		mg/Kg		99	80 - 120
Magnesium	2500	2490		mg/Kg		100	80 - 120
Manganese	50.0	49.6		mg/Kg		99	80 - 120
Nickel	50.0	49.1		mg/Kg		98	80 - 120
Potassium	2500	2440		mg/Kg		97	80 - 120
Selenium	100	101		mg/Kg		101	80 - 120
Silver	25.0	24.4		mg/Kg		97	80 - 120
Sodium	2500	2500		mg/Kg		100	80 - 120
Thallium	100	96.5		mg/Kg		97	80 - 120
Vanadium	50.0	49.5		mg/Kg		99	80 - 120
Zinc	25.0	25.4		mg/Kg		102	80 - 120

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

Lab Sample ID: 180-152845-1 MS
Client Sample ID: SSHS-IRM5A2-HR-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428750
Prep Batch: 428407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	8400		349	7400	4	mg/Kg	☼	-281	75 - 125
Antimony	ND	F1	17.4	0.402	J F1	mg/Kg	☼	2	75 - 125
Arsenic	7.5	F2 F1	69.8	103	F1	mg/Kg	☼	137	75 - 125
Barium	67	F1	69.8	109	F1	mg/Kg	☼	61	75 - 125
Beryllium	0.35	F1	34.9	22.3	F1	mg/Kg	☼	63	75 - 125
Cadmium	ND	F1	34.9	23.7	F1	mg/Kg	☼	68	75 - 125
Calcium	6700	F1	1740	22700	F1	mg/Kg	☼	917	75 - 125
Chromium	10	F1	34.9	32.6	F1	mg/Kg	☼	64	75 - 125
Cobalt	8.3	F1	34.9	33.2	F1	mg/Kg	☼	71	75 - 125
Copper	11	F1	34.9	37.1	F1	mg/Kg	☼	74	75 - 125
Iron	21000	F2	349	23700	4	mg/Kg	☼	770	75 - 125
Lead	16	F1	34.9	45.7		mg/Kg	☼	87	75 - 125
Magnesium	2800	F1	1740	3590	F1	mg/Kg	☼	45	75 - 125
Manganese	430		34.9	583	4	mg/Kg	☼	452	75 - 125
Nickel	18	F1	34.9	43.2	F1	mg/Kg	☼	72	75 - 125
Potassium	680	F1	1740	1540	F1	mg/Kg	☼	49	75 - 125
Selenium	ND	F1	69.8	46.6	F1	mg/Kg	☼	67	75 - 125
Silver	ND	F1	17.4	11.6	F1	mg/Kg	☼	67	75 - 125
Sodium	ND	F1	1740	1230	F1	mg/Kg	☼	71	75 - 125
Thallium	ND	F1	69.8	47.4	F1	mg/Kg	☼	68	75 - 125
Vanadium	12	F1	34.9	33.8	F1	mg/Kg	☼	63	75 - 125
Zinc	48	F1	17.4	50.4	F1	mg/Kg	☼	16	75 - 125

Lab Sample ID: 180-152845-1 MSD
Client Sample ID: SSHS-IRM5A2-HR-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 428750
Prep Batch: 428407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	8400		358	7350	4	mg/Kg	☼	-289	75 - 125	1	20
Antimony	ND	F1	17.9	ND	F1	mg/Kg	☼	0	75 - 125	NC	20
Arsenic	7.5	F2 F1	71.6	63.1	F2	mg/Kg	☼	78	75 - 125	48	20
Barium	67	F1	71.6	107	F1	mg/Kg	☼	57	75 - 125	2	20
Beryllium	0.35	F1	35.8	25.6	F1	mg/Kg	☼	70	75 - 125	13	20
Cadmium	ND	F1	35.8	27.5		mg/Kg	☼	77	75 - 125	15	20
Calcium	6700	F1	1790	26300	F1	mg/Kg	☼	1099	75 - 125	15	20
Chromium	10	F1	35.8	32.9	F1	mg/Kg	☼	64	75 - 125	1	20
Cobalt	8.3	F1	35.8	35.7		mg/Kg	☼	77	75 - 125	7	20
Copper	11	F1	35.8	41.1		mg/Kg	☼	83	75 - 125	10	20
Iron	21000	F2	358	18900	4 F2	mg/Kg	☼	-605	75 - 125	23	20
Lead	16	F1	35.8	38.5	F1	mg/Kg	☼	64	75 - 125	17	20
Magnesium	2800	F1	1790	3800	F1	mg/Kg	☼	56	75 - 125	6	20
Manganese	430		35.8	542	4	mg/Kg	☼	326	75 - 125	7	20
Nickel	18	F1	35.8	44.8	F1	mg/Kg	☼	74	75 - 125	4	20
Potassium	680	F1	1790	1610	F1	mg/Kg	☼	52	75 - 125	4	20
Selenium	ND	F1	71.6	54.3		mg/Kg	☼	76	75 - 125	15	20
Silver	ND	F1	17.9	13.3	F1	mg/Kg	☼	74	75 - 125	13	20
Sodium	ND	F1	1790	1380		mg/Kg	☼	77	75 - 125	12	20
Thallium	ND	F1	71.6	53.6		mg/Kg	☼	75	75 - 125	12	20
Vanadium	12	F1	35.8	35.0	F1	mg/Kg	☼	65	75 - 125	4	20

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

Lab Sample ID: 180-152845-1 MSD — **Client Sample ID: SSHS-IRM5A2-HR-B1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 428750 — **Prep Batch: 428407**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	48	F1	17.9	50.4	F1	mg/Kg	☼	16	75 - 125	0	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-429075/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 429172 — **Prep Batch: 429075**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/14/23 07:24	03/14/23 15:03	1

Lab Sample ID: LCS 180-429075/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 429172 — **Prep Batch: 429075**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.397		mg/Kg		95	80 - 120

Lab Sample ID: 180-152845-3 MS — **Client Sample ID: SSHS-IRM5A2-HR-B3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 429172 — **Prep Batch: 429075**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.154	0.150		mg/Kg	☼	97	80 - 120

Lab Sample ID: 180-152845-3 MSD — **Client Sample ID: SSHS-IRM5A2-HR-B3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 429172 — **Prep Batch: 429075**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.163	0.153		mg/Kg	☼	94	80 - 120	2	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-152845-3 DU — **Client Sample ID: SSHS-IRM5A2-HR-B3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 428071

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.0		7.0		%		0.5	10
Percent Solids	93.0		93.0		%		0	10

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 428003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 8260C	428090
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	EPA 8260C	428090
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8260C	428090
MB 180-428003/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-428003/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-428003/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8260C	428090
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8260C	428090

Prep Batch: 428090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	5035	
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	5035	
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	5035	
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	5035	
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	5035	
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	5035	

Analysis Batch: 428184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	EPA 8260C	428090
MB 180-428184/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-428184/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Prep Batch: 428078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3541	
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	3541	
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3541	
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	3541	
MB 180-428078/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-428078/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3541	
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3541	

Analysis Batch: 428174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 8270D	428078
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	EPA 8270D	428078
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8270D	428078
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	EPA 8270D	428078
MB 180-428078/1-A	Method Blank	Total/NA	Solid	EPA 8270D	428078
LCS 180-428078/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	428078
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8270D	428078
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8270D	428078

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-1
Project/Site: Former Sperry Remington-Documentation

GC Semi VOA

Prep Batch: 428210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3541	
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	3541	
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3541	
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	3541	
MB 180-428210/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-428210/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3541	
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3541	

Cleanup Batch: 428274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3665A	428210
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	3665A	428210
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3665A	428210
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	3665A	428210
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3665A	428210
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3665A	428210

Cleanup Batch: 428277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3660B	428274
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	3660B	428274
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3660B	428274
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	3660B	428274
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3660B	428274
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3660B	428274

Analysis Batch: 428610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 8082A	428277
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	EPA 8082A	428277
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8082A	428277
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	EPA 8082A	428277
MB 180-428210/1-A	Method Blank	Total/NA	Solid	EPA 8082A	428210
LCS 180-428210/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	428210
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8082A	428277
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 8082A	428277

Metals

Prep Batch: 428189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3050B	
MB 180-428189/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-428189/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3050B	
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	3050B	

Prep Batch: 428407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 428407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	3050B	
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	3050B	
MB 180-428407/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-428407/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-152845-1 MS	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3050B	
180-152845-1 MSD	SSHS-IRM5A2-HR-B1	Total/NA	Solid	3050B	

Analysis Batch: 428451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 6010C	428189
MB 180-428189/1-A	Method Blank	Total/NA	Solid	EPA 6010C	428189
LCS 180-428189/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	428189
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 6010C	428189
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 6010C	428189

Analysis Batch: 428750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 6010C	428407
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	EPA 6010C	428407
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	EPA 6010C	428407
MB 180-428407/1-A	Method Blank	Total/NA	Solid	EPA 6010C	428407
LCS 180-428407/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	428407
180-152845-1 MS	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 6010C	428407
180-152845-1 MSD	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 6010C	428407

Prep Batch: 429075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	7471B	
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	7471B	
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	7471B	
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	7471B	
MB 180-429075/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-429075/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	7471B	
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	7471B	

Analysis Batch: 429172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	EPA 7471B	429075
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	EPA 7471B	429075
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 7471B	429075
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	EPA 7471B	429075
MB 180-429075/1-A	Method Blank	Total/NA	Solid	EPA 7471B	429075
LCS 180-429075/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	429075
180-152845-3 MS	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 7471B	429075
180-152845-3 MSD	SSHS-IRM5A2-HR-B3	Total/NA	Solid	EPA 7471B	429075

General Chemistry

Analysis Batch: 428071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	2540G	
180-152845-2	SSHS-IRM5A2-HR-B2	Total/NA	Solid	2540G	
180-152845-3	SSHS-IRM5A2-HR-B3	Total/NA	Solid	2540G	
180-152845-4	SSHS-IRM5A2-HR-B4	Total/NA	Solid	2540G	
180-152845-3 DU	SSHS-IRM5A2-HR-B3	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-IRM5A2-HR-B1	3/1/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B2	3/1/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B3	3/1/23	1510	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-HR-B4	3/1/23	1515	G	S	N	N	X	X	X	X			6	

180-152845 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 3/1/23 16:00	Company: Geosyntec	Received by: [illegible] 3-2-23	Date/Time: 3-2-23 1000	Company: EPI, HNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks.

Ver 01/16/2019

3/16/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

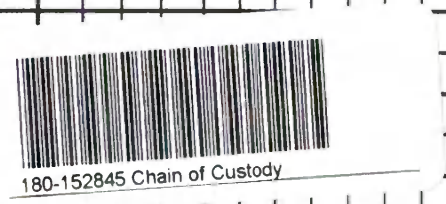
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-HR-B1	3/1/23	1500	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B2	3/1/23	1505	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B3	3/1/23	1510	G	S	N	Y	X	X	X	X											16	
SSHS-IRM5A2-HR-B4	3/1/23	1515	G	S	N	N	X	X	X	X											6	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

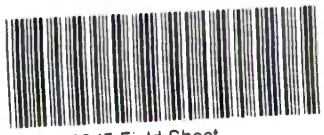
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Zach Miller	3/1/23 16:00	Geosyntec		3/2/23 920	FEDEX
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 186259 | Cooler Temperature(s) °C and Other Remarks: 3.9

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes


180-152845 Field Sheet

Job: ___

Tracking # : 7714 2597 9840

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: C02 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 1869759

Cooler ID: _____

Temp Observed: 3.9 °C Corrected: 3.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/2/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 3.2.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 3-2-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152845-1

Login Number: 152845
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/16/2023 11:35:29 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-152845-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



Generated
3/16/2023 11:35:29 AM

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

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Job ID: 180-152845-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-152845-2

Receipt
The samples were received on 3/2/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 3.9º C.

LCMS
Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-660120 recovered above the upper control limit for 8:2 FTS. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-23
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-23
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-152845-1	SSHS-IRM5A2-HR-B1	Solid	03/01/23 15:00	03/02/23 10:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	659076	03/08/23 12:26	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	660120	03/12/23 04:27	S1M	EET SAC
	Instrument ID: A24									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

RAC = Ryan Chin

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B1
Lab Sample ID: 180-152845-1
Date Collected: 03/01/23 15:00
Matrix: Solid
Date Received: 03/02/23 10:00
Percent Solids: 90.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.088**	**J B**	0.21	0.049	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	03/08/23 12:26	03/12/23 04:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C5 PFPeA	*89*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C2 PFHxA	*85*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C4 PFHpA	*91*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C4 PFOA	*91*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C5 PFNA	*93*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C2 PFDA	*86*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C2 PFUnA	*85*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C2 PFDoA	*85*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C3 PFBS	*70*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
18O2 PFHxS	*84*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C4 PFOS	*80*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
13C8 FOSA	*70*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
d5-NEtFOSAA	*70*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*
M2-8:2 FTS	*58*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:27*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-659076/1-A
Matrix: Solid
Analysis Batch: 660120

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0581	J	0.20	0.046	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
6:2 FTS	ND		0.20	0.027	ug/Kg		03/08/23 12:26	03/12/23 04:06	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/08/23 12:26	03/12/23 04:06	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C5 PFPeA	*87*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C2 PFHxA	*83*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C4 PFHpA	*83*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C4 PFOA	*94*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C5 PFNA	*85*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C2 PFDA	*77*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C2 PFUnA	*78*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C2 PFDoA	*78*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C3 PFBS	*83*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
18O2 PFHxS	*78*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C4 PFOS	*78*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
13C8 FOSA	*65*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
d3-NMeFOSAA	*73*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
d5-NEtFOSAA	*74*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*
M2-8:2 FTS	*54*		*25 - 150*	*03/08/23 12:26*	*03/12/23 04:06*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-659076/2-A
Matrix: Solid
Analysis Batch: 660120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.10		ug/Kg		105	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.11		ug/Kg		105	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.30		ug/Kg		115	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.11		ug/Kg		106	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.07		ug/Kg		104	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.09		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.15		ug/Kg		107	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.07		ug/Kg		103	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.20		ug/Kg		110	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.13		ug/Kg		106	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.10		ug/Kg		119	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.90		ug/Kg		104	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.19		ug/Kg		115	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.72		ug/Kg		92	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.80		ug/Kg		94	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.10		ug/Kg		105	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.10		ug/Kg		105	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.38		ug/Kg		119	72 - 132
6:2 FTS	1.90	2.05		ug/Kg		108	73 - 139
8:2 FTS	1.92	2.09		ug/Kg		109	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*92*		*25 - 150*
13C5 PFPeA	*90*		*25 - 150*
13C2 PFHxA	*82*		*25 - 150*
13C4 PFHpA	*89*		*25 - 150*
13C4 PFOA	*95*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*87*		*25 - 150*
13C2 PFUnA	*81*		*25 - 150*
13C2 PFDoA	*85*		*25 - 150*
13C2 PFTeDA	*81*		*25 - 150*
13C3 PFBS	*75*		*25 - 150*
18O2 PFHxS	*87*		*25 - 150*
13C4 PFOS	*85*		*25 - 150*
13C8 FOSA	*79*		*25 - 150*
d3-NMeFOSAA	*80*		*25 - 150*
d5-NEtFOSAA	*69*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-659076/2-A
Matrix: Solid
Analysis Batch: 660120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659076

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*81*		*25 - 150*
M2-8:2 FTS	*72*		*25 - 150*

Lab Sample ID: 180-152845-1 MS
Matrix: Solid
Analysis Batch: 660120

Client Sample ID: SSHS-IRM5A2-HR-B1
Prep Type: Total/NA
Prep Batch: 659076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.088	J B	2.08	1.98		ug/Kg	☼	91	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.08	1.87		ug/Kg	☼	90	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.08	2.14		ug/Kg	☼	103	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.08	1.90		ug/Kg	☼	91	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.08	2.01		ug/Kg	☼	97	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.08	2.23		ug/Kg	☼	107	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.08	2.14		ug/Kg	☼	103	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.08	2.17		ug/Kg	☼	104	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.08	2.27		ug/Kg	☼	109	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.08	2.16		ug/Kg	☼	104	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.08	2.08		ug/Kg	☼	100	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.85	1.86		ug/Kg	☼	101	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.90	1.85		ug/Kg	☼	97	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.98	2.22		ug/Kg	☼	112	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.93	1.99		ug/Kg	☼	103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.00	1.98		ug/Kg	☼	99	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.08	2.13		ug/Kg	☼	102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.08	2.41		ug/Kg	☼	116	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.08	2.09		ug/Kg	☼	101	72 - 132
6:2 FTS	ND		1.98	1.88		ug/Kg	☼	95	73 - 139
8:2 FTS	ND		2.00	2.34		ug/Kg	☼	117	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*102*		*25 - 150*
13C5 PFPeA	*104*		*25 - 150*
13C2 PFHxA	*89*		*25 - 150*
13C4 PFHpA	*103*		*25 - 150*
13C4 PFOA	*98*		*25 - 150*
13C5 PFNA	*95*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-152845-1 MS
Matrix: Solid
Analysis Batch: 660120

Client Sample ID: SSHS-IRM5A2-HR-B1
Prep Type: Total/NA
Prep Batch: 659076

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	92		25 - 150
13C3 PFBS	71		25 - 150
18O2 PFHxS	83		25 - 150
13C4 PFOS	75		25 - 150
13C8 FOSA	73		25 - 150
d3-NMeFOSAA	79		25 - 150
d5-NEtFOSAA	76		25 - 150
M2-6:2 FTS	81		25 - 150
M2-8:2 FTS	63		25 - 150

Lab Sample ID: 180-152845-1 MSD
Matrix: Solid
Analysis Batch: 660120

Client Sample ID: SSHS-IRM5A2-HR-B1
Prep Type: Total/NA
Prep Batch: 659076

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.088	J B	2.16	2.20		ug/Kg	☼	98	76 - 136	11	30
Perfluoropentanoic acid (PFPeA)	ND		2.16	2.30		ug/Kg	☼	107	69 - 129	20	30
Perfluorohexanoic acid (PFHxA)	ND		2.16	2.35		ug/Kg	☼	109	71 - 131	9	30
Perfluoroheptanoic acid (PFHpA)	ND		2.16	2.40		ug/Kg	☼	111	71 - 131	23	30
Perfluorooctanoic acid (PFOA)	ND		2.16	2.43		ug/Kg	☼	113	72 - 132	19	30
Perfluorononanoic acid (PFNA)	ND		2.16	2.31		ug/Kg	☼	107	73 - 133	4	30
Perfluorodecanoic acid (PFDA)	ND		2.16	2.32		ug/Kg	☼	107	72 - 132	8	30
Perfluoroundecanoic acid (PFUnA)	ND		2.16	2.34		ug/Kg	☼	108	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		2.16	2.49		ug/Kg	☼	115	71 - 131	9	30
Perfluorotridecanoic acid (PFTriA)	ND		2.16	2.40		ug/Kg	☼	111	71 - 131	10	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.16	2.20		ug/Kg	☼	102	67 - 127	6	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.92	1.93		ug/Kg	☼	101	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.97	2.08		ug/Kg	☼	105	62 - 122	12	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.06	2.22		ug/Kg	☼	108	76 - 136	0	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.01	1.96		ug/Kg	☼	97	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.08	2.01		ug/Kg	☼	96	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	ND		2.16	2.59		ug/Kg	☼	120	77 - 137	19	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.16	2.26		ug/Kg	☼	104	72 - 132	6	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.16	2.24		ug/Kg	☼	104	72 - 132	7	30
6:2 FTS	ND		2.06	1.90		ug/Kg	☼	92	73 - 139	1	30
8:2 FTS	ND		2.07	2.23		ug/Kg	☼	107	75 - 135	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	100		25 - 150
13C5 PFPeA	88		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-152845-1 MSD
Client Sample ID: SSHS-IRM5A2-HR-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 660120
Prep Batch: 659076

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	99		25 - 150
13C4 PFHpA	91		25 - 150
13C4 PFOA	90		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	90		25 - 150
13C2 PFUnA	88		25 - 150
13C2 PFDoA	86		25 - 150
13C2 PFTeDA	84		25 - 150
13C3 PFBS	72		25 - 150
18O2 PFHxS	86		25 - 150
13C4 PFOS	80		25 - 150
13C8 FOSA	68		25 - 150
d3-NMeFOSAA	82		25 - 150
d5-NEtFOSAA	77		25 - 150
M2-6:2 FTS	78		25 - 150
M2-8:2 FTS	70		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152845-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 659076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	SHAKE	
MB 320-659076/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-659076/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-152845-1 MS	SSHS-IRM5A2-HR-B1	Total/NA	Solid	SHAKE	
180-152845-1 MSD	SSHS-IRM5A2-HR-B1	Total/NA	Solid	SHAKE	

Analysis Batch: 660120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-152845-1	SSHS-IRM5A2-HR-B1	Total/NA	Solid	537 (modified)	659076
MB 320-659076/1-A	Method Blank	Total/NA	Solid	537 (modified)	659076
LCS 320-659076/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	659076
180-152845-1 MS	SSHS-IRM5A2-HR-B1	Total/NA	Solid	537 (modified)	659076
180-152845-1 MSD	SSHS-IRM5A2-HR-B1	Total/NA	Solid	537 (modified)	659076

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-IRM5A2-HR-B1	3/1/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B2	3/1/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B3	3/1/23	1510	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-HR-B4	3/1/23	1515	G	S	N	N	X	X	X	X			6	

180-152845 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	3/1/23 16:00	Geosyntec	[illegible] 3-2-23	3-2-23 1000	EPI, HNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No : | Cooler Temperature(s) °C and Other Remarks.

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): Standard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 40-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-HR-B1	3/1/23	1500	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B2	3/1/23	1505	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B3	3/1/23	1510	G	S	N	Y	X	X	X	X											16	
SSHS-IRM5A2-HR-B4	3/1/23	1515	G	S	N	N	X	X	X	X											6	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 3/1/23 16:00	Company: Geosyntec	Received by:	Date/Time: 3/2/23 920	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

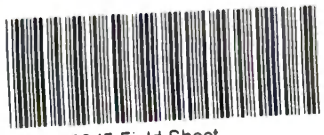
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 186259	Cooler Temperature(s) °C and Other Remarks: 3.9

Ver: 01/16/2019

3/16/2023

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Sacramento
Sample Receiving Notes


180-152845 Field Sheet

Job:___

Tracking # : 7714 2597 9840

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C02 Corr. Factor: (+ / -) _____°C

Ice_____ Wet_____ Gel _____ Other _____

Cooler Custody Seal: 1869759

Cooler ID: _____

Temp Observed: 3.9 °C Corrected: 3.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/2/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 3.2.23

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 3-2-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152845-2

Login Number: 152845
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152845-2

Login Number: 152845
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1869259
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-153349-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
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Job ID: 180-153349-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-153349-2

Receipt
The samples were received on 3/10/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8º C, 4.1º C, 4.6º C and 4.8º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-23
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-23 *
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-153349-1	SSHS-IRM5A2-HR-B5	Solid	03/09/23 14:30	03/10/23 09:28
180-153349-6	SSHS-IRM5A2-HR-B9	Solid	03/09/23 14:50	03/10/23 09:28
180-153349-10	SSHS-IRM5A2-HR-B13	Solid	03/09/23 15:10	03/10/23 09:28
180-153349-14	SSHS-IRM5A2-HR-B17	Solid	03/09/23 15:30	03/10/23 09:28
180-153349-18	SSHS-IRM5A2-HR-B21	Solid	03/09/23 15:50	03/10/23 09:28
180-153349-19	SSHS-IRM5A2-DUP285	Solid	03/09/23 00:00	03/10/23 09:28

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	660576	03/13/23 20:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	661136	03/16/23 00:01	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.44 g	10.0 mL	660576	03/13/23 20:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	661136	03/16/23 00:11	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.0 mL	660576	03/13/23 20:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	661136	03/16/23 00:21	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.15 g	10.0 mL	660576	03/13/23 20:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	661136	03/16/23 00:32	S1M	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	660576	03/13/23 20:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	661136	03/16/23 00:42	S1M	EET SAC
	Instrument ID: A23									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.20 g	10.0 mL	660576	03/13/23 20:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	661136	03/16/23 00:52	S1M	EET SAC
	Instrument ID: A23									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	03/13/23 20:30	03/16/23 00:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C5 PFPeA	*99*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C2 PFHxA	*98*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C4 PFHpA	*91*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C4 PFOA	*90*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C5 PFNA	*84*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C2 PFDA	*84*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C2 PFUnA	*79*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C2 PFDoA	*94*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C3 PFBS	*80*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
18O2 PFHxS	*67*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C4 PFOS	*65*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
13C8 FOSA	*86*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
M2-6:2 FTS	*59*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*
M2-8:2 FTS	*61*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:01*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.045	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.052	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.047	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.048	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.051	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.047	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	03/13/23 20:30	03/16/23 00:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C5 PFPeA	*90*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C2 PFHxA	*94*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C4 PFHpA	*85*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C4 PFOA	*85*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C5 PFNA	*89*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C2 PFDA	*85*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C2 PFUnA	*89*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C2 PFDoA	*96*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C3 PFBS	*69*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
18O2 PFHxS	*67*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C4 PFOS	*66*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
13C8 FOSA	*93*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
M2-6:2 FTS	*56*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*
M2-8:2 FTS	*59*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:11*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/13/23 20:30	03/16/23 00:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C5 PFPeA	*94*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C2 PFHxA	*88*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C4 PFHpA	*86*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C4 PFOA	*83*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C5 PFNA	*88*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C2 PFDA	*83*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C2 PFUnA	*90*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C2 PFDoA	*96*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C3 PFBS	*69*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
18O2 PFHxS	*61*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C4 PFOS	*65*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
13C8 FOSA	*90*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
M2-6:2 FTS	*53*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*
M2-8:2 FTS	*62*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:21*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14

Date Collected: 03/09/23 15:30
Matrix: Solid

Date Received: 03/10/23 09:28
Percent Solids: 94.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/13/23 20:30	03/16/23 00:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C5 PFPeA	*90*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C2 PFHxA	*91*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C4 PFHpA	*83*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C4 PFOA	*82*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C5 PFNA	*82*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C2 PFDA	*78*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C2 PFUnA	*77*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C2 PFDoA	*83*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C3 PFBS	*70*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
18O2 PFHxS	*61*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C4 PFOS	*63*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
13C8 FOSA	*82*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
d5-NEtFOSAA	*71*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
M2-6:2 FTS	*49*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*
M2-8:2 FTS	*59*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:32*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/13/23 20:30	03/16/23 00:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*112*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C5 PFPeA	*99*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C2 PFHxA	*98*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C4 PFHpA	*93*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C4 PFOA	*94*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C5 PFNA	*88*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C2 PFDA	*83*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C2 PFUnA	*85*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C2 PFDoA	*92*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C3 PFBS	*81*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
18O2 PFHxS	*69*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C4 PFOS	*72*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
13C8 FOSA	*89*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
M2-6:2 FTS	*54*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:42*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	03/13/23 20:30	03/16/23 00:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C5 PFPeA	*100*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C2 PFHxA	*97*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C4 PFHpA	*98*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C4 PFOA	*91*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C5 PFNA	*89*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C2 PFDA	*81*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C2 PFUnA	*88*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C2 PFDoA	*89*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C3 PFBS	*76*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
18O2 PFHxS	*73*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C4 PFOS	*72*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
13C8 FOSA	*91*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
M2-6:2 FTS	*58*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*03/13/23 20:30*	*03/16/23 00:52*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-660576/1-A
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
6:2 FTS	ND		0.20	0.027	ug/Kg		03/13/23 20:30	03/15/23 21:58	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/13/23 20:30	03/15/23 21:58	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*109*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C5 PFPeA	*88*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C2 PFHxA	*93*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C4 PFHpA	*91*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C4 PFOA	*93*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C5 PFNA	*89*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C2 PFDA	*90*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C2 PFUnA	*95*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C2 PFDoA	*97*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C3 PFBS	*93*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
18O2 PFHxS	*85*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C4 PFOS	*81*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
13C8 FOSA	*97*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*03/13/23 20:30*	*03/15/23 21:58*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-660576/2-A
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.07		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.92		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.97		ug/Kg		99	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.97		ug/Kg		99	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.00		ug/Kg		100	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.99		ug/Kg		99	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.10		ug/Kg		105	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.00		ug/Kg		100	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.05		ug/Kg		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.28		ug/Kg		114	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.80		ug/Kg		90	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.71		ug/Kg		96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.87		ug/Kg		102	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.88		ug/Kg		98	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.82		ug/Kg		98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.89		ug/Kg		98	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.12		ug/Kg		106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.97		ug/Kg		99	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.97		ug/Kg		99	72 - 132
6:2 FTS	1.90	2.00		ug/Kg		105	73 - 139
8:2 FTS	1.92	1.73		ug/Kg		90	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*105*		*25 - 150*
13C5 PFPeA	*98*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*88*		*25 - 150*
13C2 PFUnA	*90*		*25 - 150*
13C2 PFDoA	*94*		*25 - 150*
13C2 PFTeDA	*103*		*25 - 150*
13C3 PFBS	*92*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*91*		*25 - 150*
13C8 FOSA	*96*		*25 - 150*
d3-NMeFOSAA	*92*		*25 - 150*
d5-NEtFOSAA	*90*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-660576/2-A
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660576

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*74*		*25 - 150*
M2-8:2 FTS	*82*		*25 - 150*

Lab Sample ID: 180-153349-19 MS
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: SSHS-IRM5A2-DUP285
Prep Type: Total/NA
Prep Batch: 660576

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.04	2.03		ug/Kg	☼	100	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.04	2.05		ug/Kg	☼	101	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.04	1.86		ug/Kg	☼	91	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.04	2.14		ug/Kg	☼	105	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.04	1.98		ug/Kg	☼	97	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.04	2.21		ug/Kg	☼	109	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.04	2.01		ug/Kg	☼	99	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.04	2.00		ug/Kg	☼	98	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.04	1.98		ug/Kg	☼	97	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.04	1.99		ug/Kg	☼	98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.04	1.84		ug/Kg	☼	91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.81	1.83		ug/Kg	☼	101	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.86	1.90		ug/Kg	☼	102	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.94	1.95		ug/Kg	☼	100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.89	1.87		ug/Kg	☼	99	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.96	1.95		ug/Kg	☼	99	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.04	2.04		ug/Kg	☼	100	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.04	2.03		ug/Kg	☼	100	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.04	1.93		ug/Kg	☼	95	72 - 132
6:2 FTS	ND		1.94	2.07		ug/Kg	☼	107	73 - 139
8:2 FTS	ND		1.95	1.90		ug/Kg	☼	97	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*70*		*25 - 150*
13C5 PFPeA	*86*		*25 - 150*
13C2 PFHxA	*90*		*25 - 150*
13C4 PFHpA	*86*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*84*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-153349-19 MS
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: SSHS-IRM5A2-DUP285
Prep Type: Total/NA
Prep Batch: 660576

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	96		25 - 150
13C3 PFBS	69		25 - 150
18O2 PFHxS	67		25 - 150
13C4 PFOS	72		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	77		25 - 150
d5-NEtFOSAA	86		25 - 150
M2-6:2 FTS	58		25 - 150
M2-8:2 FTS	67		25 - 150

Lab Sample ID: 180-153349-19 MSD
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: SSHS-IRM5A2-DUP285
Prep Type: Total/NA
Prep Batch: 660576

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		1.98	1.99		ug/Kg	☼	100	76 - 136	2	30
Perfluoropentanoic acid (PFPeA)	ND		1.98	2.02		ug/Kg	☼	102	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	ND		1.98	1.90		ug/Kg	☼	96	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)	ND		1.98	2.03		ug/Kg	☼	103	71 - 131	5	30
Perfluorooctanoic acid (PFOA)	ND		1.98	1.94		ug/Kg	☼	98	72 - 132	2	30
Perfluorononanoic acid (PFNA)	ND		1.98	1.97		ug/Kg	☼	99	73 - 133	12	30
Perfluorodecanoic acid (PFDA)	ND		1.98	2.10		ug/Kg	☼	106	72 - 132	5	30
Perfluoroundecanoic acid (PFUnA)	ND		1.98	1.91		ug/Kg	☼	96	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		1.98	1.87		ug/Kg	☼	95	71 - 131	6	30
Perfluorotridecanoic acid (PFTriA)	ND		1.98	1.99		ug/Kg	☼	101	71 - 131	0	30
Perfluorotetradecanoic acid (PFTeA)	ND		1.98	2.01		ug/Kg	☼	102	67 - 127	9	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.76	1.75		ug/Kg	☼	99	69 - 129	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.81	1.75		ug/Kg	☼	97	62 - 122	8	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.89	1.94		ug/Kg	☼	103	76 - 136	0	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.84	1.85		ug/Kg	☼	100	68 - 141	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.91	1.96		ug/Kg	☼	103	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	ND		1.98	1.93		ug/Kg	☼	97	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.98	2.07		ug/Kg	☼	105	72 - 132	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.98	1.88		ug/Kg	☼	95	72 - 132	3	30
6:2 FTS	ND		1.88	2.16		ug/Kg	☼	115	73 - 139	4	30
8:2 FTS	ND		1.90	1.87		ug/Kg	☼	98	75 - 135	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	68		25 - 150
13C5 PFPeA	82		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-153349-19 MSD
Matrix: Solid
Analysis Batch: 661136

Client Sample ID: SSHS-IRM5A2-DUP285
Prep Type: Total/NA
Prep Batch: 660576

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	87		25 - 150
13C4 PFHpA	84		25 - 150
13C4 PFOA	85		25 - 150
13C5 PFNA	83		25 - 150
13C2 PFDA	80		25 - 150
13C2 PFUnA	83		25 - 150
13C2 PFDoA	90		25 - 150
13C2 PFTeDA	86		25 - 150
13C3 PFBS	70		25 - 150
18O2 PFHxS	66		25 - 150
13C4 PFOS	67		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	76		25 - 150
d5-NEtFOSAA	79		25 - 150
M2-6:2 FTS	56		25 - 150
M2-8:2 FTS	64		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 660576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	SHAKE	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	SHAKE	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	SHAKE	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	SHAKE	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	SHAKE	
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	SHAKE	
MB 320-660576/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-660576/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-153349-19 MS	SSHS-IRM5A2-DUP285	Total/NA	Solid	SHAKE	
180-153349-19 MSD	SSHS-IRM5A2-DUP285	Total/NA	Solid	SHAKE	

Analysis Batch: 661136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	537 (modified)	660576
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	537 (modified)	660576
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	537 (modified)	660576
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	537 (modified)	660576
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	537 (modified)	660576
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	537 (modified)	660576
MB 320-660576/1-A	Method Blank	Total/NA	Solid	537 (modified)	660576
LCS 320-660576/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	660576
180-153349-19 MS	SSHS-IRM5A2-DUP285	Total/NA	Solid	537 (modified)	660576
180-153349-19 MSD	SSHS-IRM5A2-DUP285	Total/NA	Solid	537 (modified)	660576

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing Testamerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B5	3/9/23	1430	G	S	N	N	X	X	X	X	X	X							8	Terracores placed in freezer at 3-10-23 2056
SSHS-IRM5A2-HR-B6	3/9/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B7	3/9/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP284	3/9/23	–	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B8	3/9/23	1445	G	S	N	N	X	X	X	X									5	
SSHS-IRM5A2-HR-B9	3/9/23	1450	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B10	3/9/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B11	3/9/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B12	3/9/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B13	3/9/23	1510	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B14	3/9/23	1515	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-HR-B15	3/9/23	1520	G	S	N	N	X	X	X	X									6	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Gillen	Date/Time: 3/9/23/1700	Company: Geosyntec	Received by:	Date/Time: 3-10-23 0928	Company: EPI/AVE
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-HR-B16	3/9/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B17	3/9/23	1530	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B18	3/9/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B19	3/9/23	1540	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B20	3/9/23	1545	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B21	3/9/23	1550	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2- DUP285	3/9/23	–	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B22	3/9/23	1555	G	S	N	N	X	X	X	X			6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Stelmach	Date/Time: 3/9/23 1700	Company: Geosyntec	Received by: [signature] Date/Time: 3-10-23 0928 Company: EPI HWE
Relinquished by:	Date/Time	Company	Received by: Date/Time Company
Relinquished by:	Date/Time	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

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Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-153349 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B5	3/9/23	1430	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B6	3/9/23	1435	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B7	3/9/23	1440	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP284	3/9/23	–	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B8	3/9/23	1445	G	S	N	N	X	X	X	X										5	
SSHS-IRM5A2-HR-B9	3/9/23	1450	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B10	3/9/23	1455	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B11	3/9/23	1500	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B12	3/9/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B13	3/9/23	1510	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B14	3/9/23	1515	G	S	N	Y	X	X	X	X										16	
SSHS-IRM5A2-HR-B15	3/9/23	1520	G	S	N	N	X	X	X	X										6	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
1	Miranda Stelmach	3/9/23/1700	Geosyntec		3/10/23 920	EE Test
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.8

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-153349 Field Sheet

Tracking # : 7714 6688 7625

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed: 1.8 °C Corrected: 1.8 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/10/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

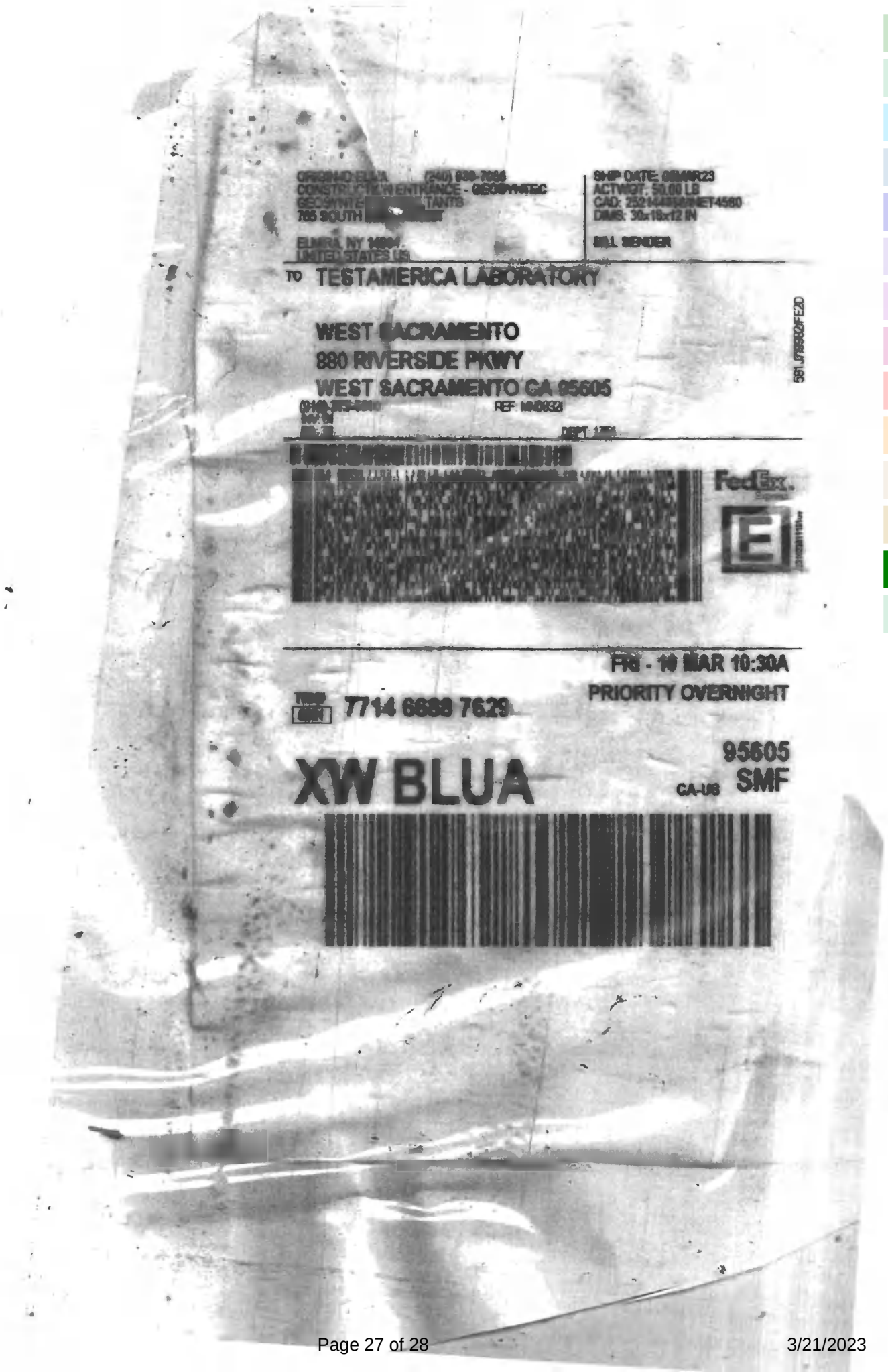
Initials: _____ Date: 3-10-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: _____ Date: 3-10-23


TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
FedEx
FRI - 10 MAR 10:30A
PRIORITY OVERNIGHT
7714 6698 7623
XW BLUA
95605
CA-US
SMF

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-153349-2

Login Number: 153349
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/29/2023 4:57:48 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-153349-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



Generated
3/29/2023 4:57:48 PM

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

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Job ID: 180-153349-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-153349-1

Receipt
The samples were received on 3/10/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8º C, 4.1º C, 4.6º C and 4.8º C.

GC/MS VOA
Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B14 (180-153349-11) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 180-429121 recovered above the control limits for the following analytes: 1,4-Dioxane, Acetone, 2-Butanone and/or 2-Hexanone. As these analyte were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-345641 recovered below the control limits for the following analyte: Dichlorobromomethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-377274 was above the control limits for the following analyte: 1.4-Dioxane.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-428928 was below criteria for the following analytes: Bromomethane, Carbon disulfide, Chloromethane, Dichlorodifluoromethane, Methyl acetate, Methylene Chloride and Vinyl chloride, and 1,2-Dichloroethane-d4. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-429121 was below criteria for the following analytes: 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone, Chloromethane, and Methyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) for preparation batch 180-429331 recovered above the control limits for the following analytes: Bis(2-ethylhexyl) phthalate and Di-n-octyl phthalate. As these analytes were biased high in the LCS and were not detected in the associated samples, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B14 (180-153349-11) had the recoveries of 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol below the control limits. The RPDs between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-429364 was above criteria for the following analytes: 4-Nitrophenol, 2-Nitroaniline, and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

Job ID: 180-153349-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

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

Metals
Method 6010C: The following sample was diluted to bring the concentration of calcium within the linear range of the instrument: SSHS-IRM5A2-HR-B12 (180-153349-9). Elevated reporting limits (RLs) are provided.

Method 6010C: The continuing calibration verification (CCV) associated with batch 180-430516 (CCV 180-430516/71) recovered 1% above the control limit for selenium. As the samples associated with this CCV did not have selenium detected, the results were reported.

Method 6010C: The method blank for preparation batch 180-429388 contained zinc above the reporting limit (RL). As the associated samples contained zinc at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B14 (180-153349-11) had several recoveries and the RPD between the spikes for calcium outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

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

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.

GC Semi VOA

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

Metals

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

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-153349-1	SSHS-IRM5A2-HR-B5	Solid	03/09/23 14:30	03/10/23 09:28
180-153349-2	SSHS-IRM5A2-HR-B6	Solid	03/09/23 14:35	03/10/23 09:28
180-153349-3	SSHS-IRM5A2-HR-B7	Solid	03/09/23 14:40	03/10/23 09:28
180-153349-4	SSHS-IRM5A2-DUP284	Solid	03/09/23 00:00	03/10/23 09:28
180-153349-5	SSHS-IRM5A2-HR-B8	Solid	03/09/23 14:45	03/10/23 09:28
180-153349-6	SSHS-IRM5A2-HR-B9	Solid	03/09/23 14:50	03/10/23 09:28
180-153349-7	SSHS-IRM5A2-HR-B10	Solid	03/09/23 14:55	03/10/23 09:28
180-153349-8	SSHS-IRM5A2-HR-B11	Solid	03/09/23 15:00	03/10/23 09:28
180-153349-9	SSHS-IRM5A2-HR-B12	Solid	03/09/23 15:05	03/10/23 09:28
180-153349-10	SSHS-IRM5A2-HR-B13	Solid	03/09/23 15:10	03/10/23 09:28
180-153349-11	SSHS-IRM5A2-HR-B14	Solid	03/09/23 15:15	03/10/23 09:28
180-153349-12	SSHS-IRM5A2-HR-B15	Solid	03/09/23 15:20	03/10/23 09:28
180-153349-13	SSHS-IRM5A2-HR-B16	Solid	03/09/23 15:25	03/10/23 09:28
180-153349-14	SSHS-IRM5A2-HR-B17	Solid	03/09/23 15:30	03/10/23 09:28
180-153349-15	SSHS-IRM5A2-HR-B18	Solid	03/09/23 15:35	03/10/23 09:28
180-153349-16	SSHS-IRM5A2-HR-B19	Solid	03/09/23 15:40	03/10/23 09:28
180-153349-17	SSHS-IRM5A2-HR-B20	Solid	03/09/23 15:45	03/10/23 09:28
180-153349-18	SSHS-IRM5A2-HR-B21	Solid	03/09/23 15:50	03/10/23 09:28
180-153349-19	SSHS-IRM5A2-DUP285	Solid	03/09/23 00:00	03/10/23 09:28
180-153349-20	SSHS-IRM5A2-HR-B22	Solid	03/09/23 15:55	03/10/23 09:28

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4155 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 13:52	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.3 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 14:08	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 14:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.82 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 14:57	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.65 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:31	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2
Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2
Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1936 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 14:20	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.5 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 14:30	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2
Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 14:58	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.84 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:02	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.77 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:32	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3
Date Collected: 03/09/23 14:40
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3
Date Collected: 03/09/23 14:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1132 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 14:48	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 14:52	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 15:16	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:07	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:34	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7488 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 16:09	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.2 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 15:15	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 15:35	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.95 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:13	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			1.00 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:35	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0579 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 16:37	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.5 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 15:37	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 15:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.81 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:28	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:36	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3735 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 17:04	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 15:59	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 16:12	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.74 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:34	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.95 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:37	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7
Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7
Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6259 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 17:32	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.1 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 16:21	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 16:30	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.99 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:39	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.73 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:38	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7742 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 18:00	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.3 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 16:43	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 16:49	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.91 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:44	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.64 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:39	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B12
Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B12
Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3978 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 18:28	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.5 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 17:05	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 17:07	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.68 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:49	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.68 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		2			430657	03/28/23 13:31	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.89 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:40	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0745 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 18:56	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 17:27	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 17:25	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 15:55	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.93 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:44	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11
Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11
Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3639 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 13:24	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.3 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 13:02	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11
Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 13:44	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.72 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 16:00	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.93 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:25	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12
Date Collected: 03/09/23 15:20
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12
Date Collected: 03/09/23 15:20
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7905 g	5 mL	429164	03/14/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 20:36	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 17:49	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 17:44	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 16:36	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.80 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:45	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13
Date Collected: 03/09/23 15:25
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13
Date Collected: 03/09/23 15:25
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3588 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	428928	03/13/23 19:51	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.5 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 18:11	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 18:02	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 16:41	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.81 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:46	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5355 g	5 mL	429164	03/14/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 21:04	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.2 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 18:33	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 18:21	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.79 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 16:47	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.61 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:47	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B18
Lab Sample ID: 180-153349-15
Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B18
Lab Sample ID: 180-153349-15
Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3069 g	5 mL	429164	03/14/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 21:31	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 18:55	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 18:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.99 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 16:52	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.94 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:48	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B19
Lab Sample ID: 180-153349-16
Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B19
Lab Sample ID: 180-153349-16
Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2055 g	5 mL	429164	03/14/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 21:59	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.1 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 19:17	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 18:58	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	429388	03/16/23 09:34	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 16:57	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.78 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:49	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B20
Lab Sample ID: 180-153349-17
Date Collected: 03/09/23 15:45
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B20
Lab Sample ID: 180-153349-17
Date Collected: 03/09/23 15:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6728 g	5 mL	429164	03/14/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 22:26	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 19:39	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-IRM5A2-HR-B20
Lab Sample ID: 180-153349-17
Date Collected: 03/09/23 15:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 19:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.94 g	50 mL	429388	03/16/23 09:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 17:03	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.75 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:50	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2847 g	5 mL	429164	03/14/23 18:14	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 19:14	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 20:01	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 20:12	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.53 g	50 mL	429388	03/16/23 09:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 17:08	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.81 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:51	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			428997	03/13/23 12:17	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7012 g	5 mL	429164	03/14/23 18:14	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 19:41	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.2 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 20:23	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 20:30	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.73 g	50 mL	429388	03/16/23 09:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 17:13	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.79 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:52	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20
Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			429004	03/13/23 12:37	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20
Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0685 g	5 mL	428947	03/13/23 07:31	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	429121	03/14/23 20:09	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	429331	03/15/23 16:57	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	429364	03/16/23 20:45	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20

Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	429054	03/13/23 16:51	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	429057	03/14/23 04:41	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	429058	03/14/23 04:42	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	429072	03/14/23 20:49	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	429388	03/16/23 09:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			430516	03/27/23 17:18	RJG	EET PIT
	Instrument ID: C									
Total/NA	Prep	7471B			0.71 g	100 mL	429315	03/16/23 12:15	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			429602	03/17/23 11:53	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JBP = Jack Prothero
- JSM = Joseph Moore
- PJJ = Patrick Journet
- RJR = Ron Rosenbaum

Batch Type: Analysis
- ELS = Edwin Shireman
- JMO = John Oravec
- PJJ = Patrick Journet
- RJG = Rob Good
- RJR = Ron Rosenbaum
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Benzene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Styrene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Toluene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	03/13/23 07:31	03/13/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*03/13/23 07:31*	*03/13/23 13:52*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/13/23 07:31*	*03/13/23 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*03/13/23 07:31*	*03/13/23 13:52*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*03/13/23 07:31*	*03/13/23 13:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Acetophenone	ND		700	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Anthracene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Atrazine	ND		700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Benzaldehyde	ND		700	43	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	370	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Carbazole	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Chrysene	ND		70	39	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Fluorene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2-Methylphenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Naphthalene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Nitrobenzene	ND		700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Phenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
Pyrene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*03/15/23 16:57*	*03/16/23 14:08*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*03/15/23 16:57*	*03/16/23 14:08*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*03/15/23 16:57*	*03/16/23 14:08*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*03/15/23 16:57*	*03/16/23 14:08*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*03/15/23 16:57*	*03/16/23 14:08*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*03/15/23 16:57*	*03/16/23 14:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1

Client Sample ID: SSHS-IRM5A2-HR-B5
Lab Sample ID: 180-153349-1
Date Collected: 03/09/23 14:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*03/13/23 16:51*	*03/14/23 14:39*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*03/13/23 16:51*	*03/14/23 14:39*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*03/13/23 16:51*	*03/14/23 14:39*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*03/13/23 16:51*	*03/14/23 14:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6900**		13	3.2	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Antimony	ND		0.65	0.20	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Arsenic	**7.4**		0.65	0.41	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Barium	**53**		13	2.3	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Beryllium	**0.30**		0.26	0.071	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Cadmium	ND		0.32	0.048	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Calcium	**3600**		320	42	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Chromium	**8.7**		0.32	0.30	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Cobalt	**7.2**		3.2	0.46	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Copper	**24**		1.6	0.98	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Iron	**18000**		6.5	6.3	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Lead	**7.7**		0.65	0.57	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Magnesium	**2400**		320	36	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Manganese	**280**		0.97	0.18	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Nickel	**16**		2.6	0.33	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Potassium	**440**		320	55	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Selenium	ND	^+	0.65	0.30	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Silver	ND		0.32	0.068	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Sodium	**33**	**J**	320	33	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Thallium	**0.25**	**J**	1.3	0.18	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Vanadium	**9.1**		3.2	0.51	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1
Zinc	**41**	**B**	1.3	0.94	mg/Kg	☼	03/16/23 09:34	03/27/23 14:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	03/16/23 12:15	03/17/23 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.2**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**93.8**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2
Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Benzene	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2
Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Styrene	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Toluene	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2

Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*03/13/23 07:31*	*03/13/23 14:20*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*03/13/23 07:31*	*03/13/23 14:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*03/13/23 07:31*	*03/13/23 14:20*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*03/13/23 07:31*	*03/13/23 14:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Acetophenone	ND		700	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Anthracene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Atrazine	ND		700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Benzaldehyde	ND		700	43	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	370	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Carbazole	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Chrysene	ND		70	39	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2
Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Fluorene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2-Methylphenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Naphthalene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Nitrobenzene	ND		700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Phenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
Pyrene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*03/15/23 16:57*	*03/16/23 14:30*	*1*
2-Fluorophenol (Surr)	*92*		*48 - 105*	*03/15/23 16:57*	*03/16/23 14:30*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 105*	*03/15/23 16:57*	*03/16/23 14:30*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*03/15/23 16:57*	*03/16/23 14:30*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*03/15/23 16:57*	*03/16/23 14:30*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*03/15/23 16:57*	*03/16/23 14:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1254	ND		18	5.4	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1260	ND		18	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1262	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 14:58	1

Client Sample ID: SSHS-IRM5A2-HR-B6
Lab Sample ID: 180-153349-2

Date Collected: 03/09/23 14:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*03/13/23 16:51*	*03/14/23 14:58*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*03/13/23 16:51*	*03/14/23 14:58*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*03/13/23 16:51*	*03/14/23 14:58*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/13/23 16:51*	*03/14/23 14:58*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8100**		13	3.2	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Antimony	ND		0.64	0.19	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Arsenic	**9.1**		0.64	0.40	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Barium	**65**		13	2.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Beryllium	**0.35**		0.26	0.070	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Cadmium	ND		0.32	0.047	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Calcium	**9400**		320	41	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Chromium	**9.9**		0.32	0.29	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Cobalt	**8.9**		3.2	0.45	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Copper	**29**		1.6	0.97	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Iron	**20000**		6.4	6.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Lead	**13**		0.64	0.56	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Magnesium	**2800**		320	35	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Manganese	**420**		0.96	0.18	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Nickel	**20**		2.6	0.32	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Potassium	**650**		320	55	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Selenium	ND	^+	0.64	0.30	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Silver	ND		0.32	0.067	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Sodium	**41**	**J**	320	33	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Thallium	ND		1.3	0.18	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Vanadium	**11**		3.2	0.51	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1
Zinc	**47**	**B**	1.3	0.93	mg/Kg	☼	03/16/23 09:34	03/27/23 15:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.028	0.018	mg/Kg	☼	03/16/23 12:15	03/17/23 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.2**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**92.8**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3

Date Collected: 03/09/23 14:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Benzene	ND		5.0	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
2-Butanone (MEK)	ND		5.0	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3
Date Collected: 03/09/23 14:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 97.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Styrene	ND		5.0	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Toluene	ND		5.0	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	03/13/23 07:31	03/13/23 14:48	1

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3

Date Collected: 03/09/23 14:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 97.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*03/13/23 07:31*	*03/13/23 14:48*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*03/13/23 07:31*	*03/13/23 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*03/13/23 07:31*	*03/13/23 14:48*	*1*
Toluene-d8 (Surr)	*120*		*67 - 134*	*03/13/23 07:31*	*03/13/23 14:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Acenaphthylene	ND		69	15	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Acetophenone	ND		690	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Anthracene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Atrazine	ND		690	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Benzaldehyde	ND		690	43	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	360	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Caprolactam	ND		1700	220	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Carbazole	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Chrysene	ND		69	38	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Fluoranthene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Fluorene	ND		69	13	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3

Date Collected: 03/09/23 14:40
Matrix: Solid

Date Received: 03/10/23 09:28
Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2-Methylphenol	ND		340	98	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Naphthalene	ND		69	13	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Nitrobenzene	ND		690	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Phenanthrene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Phenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
Pyrene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*03/15/23 16:57*	*03/16/23 14:52*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*03/15/23 16:57*	*03/16/23 14:52*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*03/15/23 16:57*	*03/16/23 14:52*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*03/15/23 16:57*	*03/16/23 14:52*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*03/15/23 16:57*	*03/16/23 14:52*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*03/15/23 16:57*	*03/16/23 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*03/13/23 16:51*	*03/14/23 15:16*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*03/13/23 16:51*	*03/14/23 15:16*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*03/13/23 16:51*	*03/14/23 15:16*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B7
Lab Sample ID: 180-153349-3
Date Collected: 03/09/23 14:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 97.3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*03/13/23 16:51*	*03/14/23 15:16*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		18	4.4	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Antimony	ND		0.89	0.27	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Arsenic	**7.6**		0.89	0.56	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Barium	**51**		18	3.2	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Beryllium	**0.31**	**J**	0.35	0.097	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Cadmium	ND		0.44	0.065	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Calcium	**1800**		440	57	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Chromium	**9.1**		0.44	0.40	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Cobalt	**7.2**		4.4	0.62	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Copper	**22**		2.2	1.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Iron	**18000**		8.9	8.6	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Lead	**7.9**		0.89	0.77	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Magnesium	**2300**		440	49	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Manganese	**290**		1.3	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Nickel	**16**		3.5	0.45	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Potassium	**570**		440	75	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Selenium	ND	^+	0.89	0.41	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Silver	ND		0.44	0.092	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Sodium	ND		440	45	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Thallium	ND		1.8	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Vanadium	**9.2**		4.4	0.70	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1
Zinc	**41**	**B**	1.8	1.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	03/16/23 12:15	03/17/23 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.7**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**97.3**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	3.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Benzene	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Bromomethane	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
2-Butanone (MEK)	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Carbon disulfide	ND		4.6	3.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Carbon tetrachloride	ND		4.6	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Chlorobenzene	ND		4.6	1.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		4.6	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Chlorodibromomethane	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Chloroethane	ND		4.6	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Chloroform	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Chloromethane	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
cis-1,2-Dichloroethene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
cis-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Cyclohexane	ND		4.6	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2-Dibromo-3-Chloropropane	ND		4.6	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2-Dibromoethane	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2-Dichlorobenzene	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,3-Dichlorobenzene	ND		4.6	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,4-Dichlorobenzene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Dichlorobromomethane	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Dichlorodifluoromethane	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,1-Dichloroethane	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2-Dichloroethane	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,1-Dichloroethene	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2-Dichloroethene, Total	ND		9.2	3.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2-Dichloropropane	ND		4.6	1.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,4-Dioxane	ND		920	33	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Ethylbenzene	ND		4.6	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
2-Hexanone	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Isopropylbenzene	ND		4.6	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Methyl acetate	ND		23	6.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Methylcyclohexane	ND		4.6	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Methylene Chloride	ND		4.6	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Methyl tert-butyl ether	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
m-Xylene & p-Xylene	ND		4.6	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
o-Xylene	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Styrene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,1,2,2-Tetrachloroethane	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Tetrachloroethene	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Toluene	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
trans-1,2-Dichloroethene	ND		4.6	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
trans-1,3-Dichloropropene	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2,3-Trichlorobenzene	ND		4.6	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,2,4-Trichlorobenzene	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,1,1-Trichloroethane	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,1,2-Trichloroethane	ND		4.6	0.91	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Trichloroethene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Trichlorofluoromethane	ND		4.6	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Vinyl chloride	ND		4.6	3.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1
Xylenes, Total	ND		9.2	6.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*03/13/23 07:31*	*03/13/23 16:09*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*03/13/23 07:31*	*03/13/23 16:09*	*1*

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4

Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*	*03/13/23 07:31*	*03/13/23 16:09*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*03/13/23 07:31*	*03/13/23 16:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Acetophenone	ND		700	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Anthracene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Atrazine	ND		700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Benzaldehyde	ND		700	43	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	370	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Carbazole	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Chrysene	ND		70	39	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Fluorene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2-Methylphenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Naphthalene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Nitrobenzene	ND		700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Phenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
Pyrene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*03/15/23 16:57*	*03/16/23 15:15*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*03/15/23 16:57*	*03/16/23 15:15*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*03/15/23 16:57*	*03/16/23 15:15*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*03/15/23 16:57*	*03/16/23 15:15*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*03/15/23 16:57*	*03/16/23 15:15*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*03/15/23 16:57*	*03/16/23 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*03/13/23 16:51*	*03/14/23 15:35*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*03/13/23 16:51*	*03/14/23 15:35*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*03/13/23 16:51*	*03/14/23 15:35*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*03/13/23 16:51*	*03/14/23 15:35*	*1*

Client Sample ID: SSHS-IRM5A2-DUP284
Lab Sample ID: 180-153349-4
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		11	2.8	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Antimony	ND		0.56	0.17	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Arsenic	**4.2**		0.56	0.35	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Barium	**48**		11	2.0	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Beryllium	**0.29**		0.22	0.061	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Cadmium	ND		0.28	0.041	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Calcium	**1900**		280	36	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Chromium	**7.5**		0.28	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Cobalt	**6.0**		2.8	0.39	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Copper	**7.1**		1.4	0.84	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Iron	**14000**		5.6	5.4	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Lead	**5.0**		0.56	0.48	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Magnesium	**2100**		280	31	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Manganese	**260**		0.83	0.15	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Nickel	**14**		2.2	0.28	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Potassium	**410**		280	47	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Selenium	ND	^+	0.56	0.26	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Silver	ND		0.28	0.058	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Sodium	ND		280	28	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Thallium	ND		1.1	0.16	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Vanadium	**7.6**		2.8	0.44	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1
Zinc	**33**	**B**	1.1	0.81	mg/Kg	☼	03/16/23 09:34	03/27/23 15:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.013	mg/Kg	☼	03/16/23 12:15	03/17/23 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.3**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**94.7**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Benzene	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Styrene	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Toluene	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	03/13/23 07:31	03/13/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*03/13/23 07:31*	*03/13/23 16:37*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*03/13/23 07:31*	*03/13/23 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*03/13/23 07:31*	*03/13/23 16:37*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*03/13/23 07:31*	*03/13/23 16:37*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5

Date Collected: 03/09/23 14:45
Matrix: Solid

Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Acetophenone	ND		700	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Anthracene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Atrazine	ND		700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Benzaldehyde	ND		700	43	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	370	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Carbazole	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Chrysene	ND		70	38	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Fluorene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Indeno[1,2,3-cd]pyrene	ND		70	34	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2-Methylphenol	ND		340	99	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Naphthalene	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Nitrobenzene	ND		700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Phenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
Pyrene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*03/15/23 16:57*	*03/16/23 15:37*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*03/15/23 16:57*	*03/16/23 15:37*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 105*	*03/15/23 16:57*	*03/16/23 15:37*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*03/15/23 16:57*	*03/16/23 15:37*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*03/15/23 16:57*	*03/16/23 15:37*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*03/15/23 16:57*	*03/16/23 15:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*03/13/23 16:51*	*03/14/23 15:53*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*03/13/23 16:51*	*03/14/23 15:53*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/13/23 16:51*	*03/14/23 15:53*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/13/23 16:51*	*03/14/23 15:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		13	3.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Antimony	ND		0.66	0.20	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1

Client Sample ID: SSHS-IRM5A2-HR-B8
Lab Sample ID: 180-153349-5
Date Collected: 03/09/23 14:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		0.66	0.42	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Barium	55		13	2.4	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Beryllium	0.29		0.26	0.072	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Cadmium	ND		0.33	0.049	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Calcium	1900		330	43	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Chromium	9.0		0.33	0.30	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Cobalt	7.6		3.3	0.47	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Copper	18		1.7	1.0	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Iron	18000		6.6	6.5	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Lead	5.3		0.66	0.58	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Magnesium	2500		330	36	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Manganese	300		0.99	0.18	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Nickel	17		2.6	0.33	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Potassium	540		330	56	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Selenium	ND		0.66	0.31	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Silver	ND		0.33	0.069	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Sodium	ND		330	34	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Thallium	ND		1.3	0.19	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Vanadium	9.7		3.3	0.52	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1
Zinc	40	B	1.3	0.96	mg/Kg	☼	03/16/23 09:34	03/27/23 15:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.027	0.017	mg/Kg	☼	03/16/23 12:15	03/17/23 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.8		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	93.2		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Benzene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Styrene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Toluene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	03/13/23 07:31	03/13/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*03/13/23 07:31*	*03/13/23 17:04*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/13/23 07:31*	*03/13/23 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*	*03/13/23 07:31*	*03/13/23 17:04*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*03/13/23 07:31*	*03/13/23 17:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Acetophenone	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Anthracene	ND		71	18	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Atrazine	ND		710	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Carbazole	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Chrysene	ND		71	39	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Fluorene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Hexachloroethane	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6
Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
Pyrene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*03/15/23 16:57*	*03/16/23 15:59*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*03/15/23 16:57*	*03/16/23 15:59*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*03/15/23 16:57*	*03/16/23 15:59*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*03/15/23 16:57*	*03/16/23 15:59*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*03/15/23 16:57*	*03/16/23 15:59*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*03/15/23 16:57*	*03/16/23 15:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*03/13/23 16:51*	*03/14/23 16:12*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/13/23 16:51*	*03/14/23 16:12*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*03/13/23 16:51*	*03/14/23 16:12*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*03/13/23 16:51*	*03/14/23 16:12*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		14	3.6	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Antimony	ND		0.71	0.22	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Arsenic	**7.9**		0.71	0.45	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1

Client Sample ID: SSHS-IRM5A2-HR-B9
Lab Sample ID: 180-153349-6

Date Collected: 03/09/23 14:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	71		14	2.5	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Beryllium	0.35		0.29	0.078	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Cadmium	ND		0.36	0.052	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Calcium	16000		360	46	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Chromium	10		0.36	0.33	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Cobalt	8.8		3.6	0.50	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Copper	23		1.8	1.1	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Iron	21000		7.1	7.0	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Lead	21		0.71	0.62	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Magnesium	2900		360	39	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Manganese	540		1.1	0.20	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Nickel	19		2.9	0.36	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Potassium	720		360	61	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Selenium	ND		0.71	0.33	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Silver	ND		0.36	0.074	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Sodium	57	J	360	37	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Thallium	ND		1.4	0.20	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Vanadium	11		3.6	0.57	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1
Zinc	46	B	1.4	1.0	mg/Kg	☼	03/16/23 09:34	03/27/23 15:34	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.014	mg/Kg	☼	03/16/23 12:15	03/17/23 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.4		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	94.6		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7

Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Benzene	ND		4.8	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
2-Butanone (MEK)	ND		4.8	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Chloroform	ND		4.8	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7
Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,3-Dichlorobenzene	ND		4.8	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,4-Dioxane	ND		950	34	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
2-Hexanone	ND		4.8	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Styrene	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Toluene	ND		4.8	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2,3-Trichlorobenzene	ND		4.8	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,1,2-Trichloroethane	ND		4.8	0.94	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Vinyl chloride	ND		4.8	3.4	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1
Xylenes, Total	ND		9.5	6.9	ug/Kg	☼	03/13/23 07:31	03/13/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*03/13/23 07:31*	*03/13/23 17:32*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*03/13/23 07:31*	*03/13/23 17:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*	*03/13/23 07:31*	*03/13/23 17:32*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*03/13/23 07:31*	*03/13/23 17:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Acenaphthylene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7
Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Anthracene	ND		71	18	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Atrazine	ND		710	160	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Carbazole	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Chrysene	ND		71	39	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Fluorene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Naphthalene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7
Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
Pyrene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*03/15/23 16:57*	*03/16/23 16:21*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*03/15/23 16:57*	*03/16/23 16:21*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*03/15/23 16:57*	*03/16/23 16:21*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*03/15/23 16:57*	*03/16/23 16:21*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*03/15/23 16:57*	*03/16/23 16:21*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*03/15/23 16:57*	*03/16/23 16:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1232	ND		18	4.4	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1254	ND		18	5.4	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1260	ND		18	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1262	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*03/13/23 16:51*	*03/14/23 16:30*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/13/23 16:51*	*03/14/23 16:30*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/13/23 16:51*	*03/14/23 16:30*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*03/13/23 16:51*	*03/14/23 16:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		11	2.7	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Antimony	ND		0.54	0.16	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Arsenic	**5.3**		0.54	0.34	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Barium	**49**		11	1.9	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1

Client Sample ID: SSHS-IRM5A2-HR-B10
Lab Sample ID: 180-153349-7
Date Collected: 03/09/23 14:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.24**		0.22	0.059	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Cadmium	ND		0.27	0.040	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Calcium	**1900**		270	35	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Chromium	**7.5**		0.27	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Cobalt	**7.4**		2.7	0.38	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Copper	**9.6**		1.4	0.82	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Iron	**15000**		5.4	5.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Lead	**21**		0.54	0.47	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Magnesium	**2100**		270	30	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Manganese	**320**		0.81	0.15	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Nickel	**14**		2.2	0.27	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Potassium	**320**		270	46	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Selenium	ND		0.54	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Silver	ND		0.27	0.056	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Sodium	ND		270	28	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Thallium	**0.19**	**J**	1.1	0.15	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Vanadium	**7.1**		2.7	0.43	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1
Zinc	**43**	**B**	1.1	0.79	mg/Kg	☼	03/16/23 09:34	03/27/23 15:39	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.029	0.019	mg/Kg	☼	03/16/23 12:15	03/17/23 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	3.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Benzene	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Bromomethane	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
2-Butanone (MEK)	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Carbon disulfide	ND		4.6	3.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Carbon tetrachloride	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Chlorobenzene	ND		4.6	1.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Chlorobromomethane	ND		4.6	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Chlorodibromomethane	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Chloroethane	ND		4.6	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Chloroform	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Chloromethane	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
cis-1,2-Dichloroethene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
cis-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Cyclohexane	ND		4.6	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.6	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2-Dibromoethane	ND		4.6	1.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2-Dichlorobenzene	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,3-Dichlorobenzene	ND		4.6	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,4-Dichlorobenzene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Dichlorobromomethane	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Dichlorodifluoromethane	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,1-Dichloroethane	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2-Dichloroethane	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,1-Dichloroethene	ND		4.6	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2-Dichloroethene, Total	ND		9.1	3.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2-Dichloropropane	ND		4.6	1.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,4-Dioxane	ND		910	32	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Ethylbenzene	ND		4.6	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
2-Hexanone	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Isopropylbenzene	ND		4.6	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Methyl acetate	ND		23	6.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Methylcyclohexane	ND		4.6	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Methylene Chloride	ND		4.6	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Methyl tert-butyl ether	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
m-Xylene & p-Xylene	ND		4.6	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
o-Xylene	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Styrene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,1,2,2-Tetrachloroethane	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Tetrachloroethene	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Toluene	ND		4.6	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
trans-1,2-Dichloroethene	ND		4.6	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
trans-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2,3-Trichlorobenzene	ND		4.6	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,2,4-Trichlorobenzene	ND		4.6	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,1,1-Trichloroethane	ND		4.6	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,1,2-Trichloroethane	ND		4.6	0.90	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Trichloroethene	ND		4.6	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Trichlorofluoromethane	ND		4.6	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Vinyl chloride	ND		4.6	3.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1
Xylenes, Total	ND		9.1	6.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*03/13/23 07:31*	*03/13/23 18:00*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*03/13/23 07:31*	*03/13/23 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*	*03/13/23 07:31*	*03/13/23 18:00*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*03/13/23 07:31*	*03/13/23 18:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Acenaphthylene	ND		69	15	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Acetophenone	ND		690	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Atrazine	ND		690	150	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Benzaldehyde	ND		690	43	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	370	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Caprolactam	ND		1800	220	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Carbazole	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Chrysene	ND		69	38	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Fluoranthene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Fluorene	ND		69	14	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2-Methylphenol	ND		340	99	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Naphthalene	ND		69	13	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1

Client Sample ID: SSHS-IRM5A2-HR-B11
Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	87	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Nitrobenzene	ND		690	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Phenanthrene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Phenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
Pyrene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*03/15/23 16:57*	*03/16/23 16:43*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*03/15/23 16:57*	*03/16/23 16:43*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*03/15/23 16:57*	*03/16/23 16:43*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*03/15/23 16:57*	*03/16/23 16:43*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*03/15/23 16:57*	*03/16/23 16:43*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*03/15/23 16:57*	*03/16/23 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*03/13/23 16:51*	*03/14/23 16:49*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*03/13/23 16:51*	*03/14/23 16:49*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*03/13/23 16:51*	*03/14/23 16:49*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*03/13/23 16:51*	*03/14/23 16:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		12	2.9	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Antimony	ND		0.58	0.18	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Arsenic	**7.9**		0.58	0.36	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Barium	**61**		12	2.1	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Beryllium	**0.35**		0.23	0.063	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1

Client Sample ID: SSHS-IRM5A2-HR-B11

Lab Sample ID: 180-153349-8
Date Collected: 03/09/23 15:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.29	0.042	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Calcium	**5100**		290	37	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Chromium	**9.6**		0.29	0.26	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Cobalt	**7.9**		2.9	0.41	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Copper	**17**		1.4	0.87	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Iron	**20000**		5.8	5.6	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Lead	**8.6**		0.58	0.50	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Magnesium	**2700**		290	32	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Manganese	**320**		0.87	0.16	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Nickel	**19**		2.3	0.29	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Potassium	**540**		290	49	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Selenium	ND		0.58	0.27	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Silver	ND		0.29	0.060	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Sodium	ND		290	30	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Thallium	ND		1.2	0.16	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Vanadium	**11**		2.9	0.46	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1
Zinc	**44**	**B**	1.2	0.84	mg/Kg	☼	03/16/23 09:34	03/27/23 15:44	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	03/16/23 12:15	03/17/23 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.9**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**95.1**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B12

Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Benzene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B12
Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Styrene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Toluene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*03/13/23 07:31*	*03/13/23 18:28*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*03/13/23 07:31*	*03/13/23 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*03/13/23 07:31*	*03/13/23 18:28*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*03/13/23 07:31*	*03/13/23 18:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Acenaphthylene	ND		68	15	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Acetophenone	ND		680	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Anthracene	ND		68	18	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1

Client Sample ID: SSHS-IRM5A2-HR-B12
Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		680	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Benzaldehyde	ND		680	42	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	360	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Caprolactam	ND		1700	220	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Carbazole	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Chrysene	ND		68	38	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Fluoranthene	ND		68	18	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Fluorene	ND		68	13	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2-Methylphenol	ND		340	97	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Naphthalene	ND		68	13	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B12
Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Nitrobenzene	ND		680	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Phenanthrene	ND		68	18	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Phenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
Pyrene	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*03/15/23 16:57*	*03/16/23 17:05*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*03/15/23 16:57*	*03/16/23 17:05*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*03/15/23 16:57*	*03/16/23 17:05*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*03/15/23 16:57*	*03/16/23 17:05*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*03/15/23 16:57*	*03/16/23 17:05*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*03/15/23 16:57*	*03/16/23 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*03/13/23 16:51*	*03/14/23 17:07*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*03/13/23 16:51*	*03/14/23 17:07*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*03/13/23 16:51*	*03/14/23 17:07*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*03/13/23 16:51*	*03/14/23 17:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		15	3.9	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Antimony	ND		0.77	0.23	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Arsenic	**8.3**		0.77	0.48	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Barium	**50**		15	2.8	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Beryllium	**0.29**	**J**	0.31	0.084	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Cadmium	**0.069**	**J**	0.39	0.057	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1

Client Sample ID: SSHS-IRM5A2-HR-B12

Lab Sample ID: 180-153349-9
Date Collected: 03/09/23 15:05
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	66000		770	100	mg/Kg	☼	03/16/23 09:34	03/28/23 13:31	2
Chromium	8.1		0.39	0.35	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Cobalt	7.2		3.9	0.54	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Copper	19		1.9	1.2	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Iron	17000		7.7	7.5	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Lead	7.3		0.77	0.67	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Magnesium	2800		390	42	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Manganese	680		1.2	0.21	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Nickel	16		3.1	0.39	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Potassium	560		390	66	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Selenium	0.73	J	0.77	0.36	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Silver	ND		0.39	0.080	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Sodium	50	J	390	40	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Thallium	ND		1.5	0.22	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Vanadium	8.2		3.9	0.61	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1
Zinc	36	B	1.5	1.1	mg/Kg	☼	03/16/23 09:34	03/27/23 15:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.015	mg/Kg	☼	03/16/23 12:15	03/17/23 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.8		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	95.2		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B13

Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Benzene	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Chloromethane	ND		5.2	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,4-Dichlorobenzene	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,1-Dichloroethane	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Methylene Chloride	ND		5.2	4.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Styrene	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Toluene	ND		5.2	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2,3-Trichlorobenzene	ND		5.2	2.8	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	03/13/23 07:31	03/13/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*03/13/23 07:31*	*03/13/23 18:56*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*03/13/23 07:31*	*03/13/23 18:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*03/13/23 07:31*	*03/13/23 18:56*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*03/13/23 07:31*	*03/13/23 18:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Acetophenone	ND		700	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Anthracene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Atrazine	ND		700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		700	43	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	370	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Carbazole	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Chrysene	ND		70	39	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Di-n-octyl phthalate	ND	*+	350	200	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Fluorene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Hexachloroethane	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Naphthalene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10

Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
Pyrene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*03/15/23 16:57*	*03/16/23 17:27*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*03/15/23 16:57*	*03/16/23 17:27*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*03/15/23 16:57*	*03/16/23 17:27*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*03/15/23 16:57*	*03/16/23 17:27*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*03/15/23 16:57*	*03/16/23 17:27*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*03/15/23 16:57*	*03/16/23 17:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*03/13/23 16:51*	*03/14/23 17:25*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/13/23 16:51*	*03/14/23 17:25*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/13/23 16:51*	*03/14/23 17:25*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*03/13/23 16:51*	*03/14/23 17:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		17	4.1	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Antimony	ND		0.83	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Arsenic	**10**		0.83	0.52	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Barium	**67**		17	3.0	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Beryllium	**0.41**		0.33	0.091	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Cadmium	ND		0.42	0.061	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Calcium	**4000**		420	54	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1

Client Sample ID: SSHS-IRM5A2-HR-B13
Lab Sample ID: 180-153349-10
Date Collected: 03/09/23 15:10
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11		0.42	0.38	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Cobalt	9.0		4.2	0.58	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Copper	17		2.1	1.3	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Iron	22000		8.3	8.1	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Lead	11		0.83	0.72	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Magnesium	3000		420	46	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Manganese	370		1.2	0.23	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Nickel	20		3.3	0.42	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Potassium	670		420	71	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Selenium	ND		0.83	0.38	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Silver	ND		0.42	0.086	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Sodium	ND		420	43	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Thallium	ND		1.7	0.24	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Vanadium	11		4.2	0.66	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1
Zinc	52	B	1.7	1.2	mg/Kg	☼	03/16/23 09:34	03/27/23 15:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.014	mg/Kg	☼	03/16/23 12:15	03/17/23 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.4		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	95.6		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11
Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Benzene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Bromomethane	ND	F2	4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Carbon disulfide	ND	F2	4.9	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Carbon tetrachloride	ND	F2	4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Chlorobromomethane	ND	F2	4.9	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Chloroethane	ND	F2	4.9	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Chloromethane	ND	F2	4.9	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Cyclohexane	ND	F2	4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11
Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Dichlorodifluoromethane	ND	F2	4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,1-Dichloroethane	ND	F2	4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,1-Dichloroethene	ND	F2	4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2-Dichloroethene, Total	ND	F2	9.8	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Isopropylbenzene	ND	F2	4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Methylcyclohexane	ND	F1 F2	4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Methylene Chloride	ND	F2	4.9	4.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Methyl tert-butyl ether	ND	F2	4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
o-Xylene	ND	F1 F2	4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Styrene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,1,2,2-Tetrachloroethane	ND	F2	4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Toluene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
trans-1,2-Dichloroethene	ND	F2	4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,2,4-Trichlorobenzene	ND	F2	4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,1,1-Trichloroethane	ND	F2	4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Vinyl chloride	ND	F1 F2	4.9	3.5	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1
Xylenes, Total	ND		9.8	7.0	ug/Kg	☼	03/13/23 07:31	03/13/23 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*03/13/23 07:31*	*03/13/23 13:24*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*03/13/23 07:31*	*03/13/23 13:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*03/13/23 07:31*	*03/13/23 13:24*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*03/13/23 07:31*	*03/13/23 13:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Acenaphthylene	ND		69	15	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Acetophenone	ND		690	120	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Anthracene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Atrazine	ND		690	150	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Benzaldehyde	ND		690	43	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11
Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	360	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Caprolactam	ND		1700	220	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Carbazole	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Chrysene	ND		69	38	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4,6-Dinitro-2-methylphenol	ND	F1	1700	590	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,4-Dinitrophenol	ND	F1	3400	2100	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Fluoranthene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Fluorene	ND		69	13	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2-Methylphenol	ND		340	98	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Naphthalene	ND		69	13	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Nitrobenzene	ND		690	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11

Date Collected: 03/09/23 15:15
Matrix: Solid

Date Received: 03/10/23 09:28
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Phenanthrene	ND		69	18	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Phenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
Pyrene	ND		69	16	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*03/15/23 16:57*	*03/16/23 13:02*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*03/15/23 16:57*	*03/16/23 13:02*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*03/15/23 16:57*	*03/16/23 13:02*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*03/15/23 16:57*	*03/16/23 13:02*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*03/15/23 16:57*	*03/16/23 13:02*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*03/15/23 16:57*	*03/16/23 13:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*03/13/23 16:51*	*03/14/23 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*03/13/23 16:51*	*03/14/23 13:44*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/13/23 16:51*	*03/14/23 13:44*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/13/23 16:51*	*03/14/23 13:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		15	3.6	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Antimony	ND	F1	0.73	0.22	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Arsenic	**8.5**		0.73	0.46	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Barium	**49**		15	2.6	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Beryllium	**0.28**	**J F1**	0.29	0.079	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Cadmium	ND	F1	0.36	0.053	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Calcium	**1700**	**F2 F1**	360	47	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Chromium	**8.1**	**F1**	0.36	0.33	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B14
Lab Sample ID: 180-153349-11

Date Collected: 03/09/23 15:15
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**7.0**		3.6	0.51	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Copper	**12**		1.8	1.1	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Iron	**17000**		7.3	7.1	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Lead	**9.7**		0.73	0.63	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Magnesium	**2200**		360	40	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Manganese	**270**		1.1	0.20	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Nickel	**14**		2.9	0.37	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Potassium	**410**	**F1**	360	62	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Selenium	ND		0.73	0.34	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Silver	ND	F1	0.36	0.076	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Sodium	ND	F1	360	37	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Thallium	ND	F1	1.5	0.21	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Vanadium	**8.6**		3.6	0.58	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1
Zinc	**37**	**F1 B**	1.5	1.1	mg/Kg	☼	03/16/23 09:34	03/27/23 16:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.014	mg/Kg	☼	03/16/23 12:15	03/17/23 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.5**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**95.5**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12

Date Collected: 03/09/23 15:20
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	18	3.6	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Benzene	ND		4.6	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Bromomethane	ND		4.6	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
2-Butanone (MEK)	ND	*+	4.6	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Carbon disulfide	ND		4.6	3.7	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Carbon tetrachloride	ND		4.6	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Chlorobenzene	ND		4.6	1.2	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Chlorobromomethane	ND		4.6	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Chlorodibromomethane	ND		4.6	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Chloroethane	ND		4.6	2.7	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Chloroform	ND		4.6	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Chloromethane	ND		4.6	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
cis-1,2-Dichloroethene	ND		4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
cis-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Cyclohexane	ND		4.6	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2-Dibromo-3-Chloropropane	ND		4.6	3.0	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2-Dibromoethane	ND		4.6	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2-Dichlorobenzene	ND		4.6	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,3-Dichlorobenzene	ND		4.6	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12
Date Collected: 03/09/23 15:20
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Dichlorobromomethane	ND	*-	4.6	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Dichlorodifluoromethane	ND		4.6	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,1-Dichloroethane	ND		4.6	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2-Dichloroethane	ND		4.6	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,1-Dichloroethene	ND		4.6	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2-Dichloroethene, Total	ND		9.2	3.7	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2-Dichloropropane	ND		4.6	1.2	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,4-Dioxane	ND	*+ *1	920	33	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Ethylbenzene	ND		4.6	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
2-Hexanone	ND	*+	4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Isopropylbenzene	ND		4.6	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Methyl acetate	ND		23	6.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Methylcyclohexane	ND		4.6	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Methylene Chloride	ND		4.6	4.1	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Methyl tert-butyl ether	ND		4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
m-Xylene & p-Xylene	ND		4.6	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
o-Xylene	ND		4.6	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Styrene	ND		4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,1,2,2-Tetrachloroethane	ND		4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Tetrachloroethene	ND		4.6	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Toluene	ND		4.6	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
trans-1,2-Dichloroethene	ND		4.6	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
trans-1,3-Dichloropropene	ND		4.6	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2,3-Trichlorobenzene	ND		4.6	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,2,4-Trichlorobenzene	ND		4.6	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,1,1-Trichloroethane	ND		4.6	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,1,2-Trichloroethane	ND		4.6	0.91	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Trichloroethene	ND		4.6	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Trichlorofluoromethane	ND		4.6	3.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Vinyl chloride	ND		4.6	3.3	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1
Xylenes, Total	ND		9.2	6.6	ug/Kg	☼	03/14/23 07:37	03/14/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*60 - 124*	*03/14/23 07:37*	*03/14/23 20:36*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*03/14/23 07:37*	*03/14/23 20:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*03/14/23 07:37*	*03/14/23 20:36*	*1*
Toluene-d8 (Surr)	*123*		*67 - 134*	*03/14/23 07:37*	*03/14/23 20:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Acenaphthylene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Acetophenone	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Anthracene	ND		71	18	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Atrazine	ND		710	160	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12
Date Collected: 03/09/23 15:20
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Carbazole	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Chrysene	ND		71	39	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Fluorene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Naphthalene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12

Date Collected: 03/09/23 15:20
Matrix: Solid

Date Received: 03/10/23 09:28
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
Pyrene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*03/15/23 16:57*	*03/16/23 17:49*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*03/15/23 16:57*	*03/16/23 17:49*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*03/15/23 16:57*	*03/16/23 17:49*	*1*
Phenol-d5 (Surr)	*57*		*46 - 105*	*03/15/23 16:57*	*03/16/23 17:49*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*03/15/23 16:57*	*03/16/23 17:49*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*34 - 108*	*03/15/23 16:57*	*03/16/23 17:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*03/13/23 16:51*	*03/14/23 17:44*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*03/13/23 16:51*	*03/14/23 17:44*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/13/23 16:51*	*03/14/23 17:44*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*03/13/23 16:51*	*03/14/23 17:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		17	4.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Antimony	ND		0.86	0.26	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Arsenic	**7.7**		0.86	0.54	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Barium	**77**		17	3.1	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Beryllium	**0.31**	**J**	0.34	0.093	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Cadmium	ND		0.43	0.063	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Calcium	**3700**		430	55	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Chromium	**8.3**		0.43	0.39	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Cobalt	**6.4**		4.3	0.60	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1

Client Sample ID: SSHS-IRM5A2-HR-B15
Lab Sample ID: 180-153349-12
Date Collected: 03/09/23 15:20
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	12		2.1	1.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Iron	18000		8.6	8.4	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Lead	7.2		0.86	0.75	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Magnesium	2300		430	47	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Manganese	430		1.3	0.24	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Nickel	15		3.4	0.43	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Potassium	610		430	73	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Selenium	ND		0.86	0.40	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Silver	ND		0.43	0.089	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Sodium	ND		430	44	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Thallium	0.27	J	1.7	0.24	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Vanadium	8.9		4.3	0.68	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1
Zinc	38	B	1.7	1.2	mg/Kg	☼	03/16/23 09:34	03/27/23 16:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.026	0.017	mg/Kg	☼	03/16/23 12:15	03/17/23 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.0		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	94.0		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13
Date Collected: 03/09/23 15:25
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Benzene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13
Date Collected: 03/09/23 15:25
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Styrene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Toluene	ND		4.9	1.4	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	03/13/23 07:31	03/13/23 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*03/13/23 07:31*	*03/13/23 19:51*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*03/13/23 07:31*	*03/13/23 19:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*73 - 135*	*03/13/23 07:31*	*03/13/23 19:51*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*03/13/23 07:31*	*03/13/23 19:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Acenaphthylene	ND		68	15	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Acetophenone	ND		680	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Anthracene	ND		68	18	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Atrazine	ND		680	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Benzaldehyde	ND		680	42	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13
Date Collected: 03/09/23 15:25
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	360	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Caprolactam	ND		1700	220	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Carbazole	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Chrysene	ND		68	38	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Dibenz(a,h)anthracene	ND		68	44	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Fluoranthene	ND		68	18	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Fluorene	ND		68	13	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2-Methylphenol	ND		340	98	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Naphthalene	ND		68	13	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Nitrobenzene	ND		680	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13

Date Collected: 03/09/23 15:25
Matrix: Solid

Date Received: 03/10/23 09:28
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Phenanthrene	ND		68	18	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Phenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
Pyrene	ND		68	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*03/15/23 16:57*	*03/16/23 18:11*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*03/15/23 16:57*	*03/16/23 18:11*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*03/15/23 16:57*	*03/16/23 18:11*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*03/15/23 16:57*	*03/16/23 18:11*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*03/15/23 16:57*	*03/16/23 18:11*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*03/15/23 16:57*	*03/16/23 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1260	**12**	**J**	17	4.8	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:02*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		17	4.2	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Antimony	ND		0.85	0.26	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Arsenic	**9.0**		0.85	0.53	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Barium	**74**		17	3.0	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Beryllium	**0.36**		0.34	0.093	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Cadmium	ND		0.43	0.062	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Calcium	**6400**		430	55	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Chromium	**10**		0.43	0.39	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Cobalt	**8.5**		4.3	0.60	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Copper	**16**		2.1	1.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1

Client Sample ID: SSHS-IRM5A2-HR-B16
Lab Sample ID: 180-153349-13
Date Collected: 03/09/23 15:25
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	21000		8.5	8.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Lead	11		0.85	0.74	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Magnesium	2700		430	47	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Manganese	460		1.3	0.24	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Nickel	18		3.4	0.43	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Potassium	650		430	72	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Selenium	ND		0.85	0.39	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Silver	ND		0.43	0.088	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Sodium	ND		430	44	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Thallium	ND		1.7	0.24	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Vanadium	11		4.3	0.67	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1
Zinc	47	B	1.7	1.2	mg/Kg	☼	03/16/23 09:34	03/27/23 16:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.026	0.017	mg/Kg	☼	03/16/23 12:15	03/17/23 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.2		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	94.8		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	19	3.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Benzene	ND		4.8	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
2-Butanone (MEK)	ND	*+	4.8	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Chloroform	ND		4.8	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,3-Dichlorobenzene	ND		4.8	2.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Dichlorobromomethane	ND	*-	4.8	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,4-Dioxane	ND	*+ *1	960	34	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
2-Hexanone	ND	*+	4.8	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Styrene	ND		4.8	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Toluene	ND		4.8	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2,3-Trichlorobenzene	ND		4.8	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Vinyl chloride	ND		4.8	3.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*60 - 124*	*03/14/23 07:37*	*03/14/23 21:04*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*03/14/23 07:37*	*03/14/23 21:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*03/14/23 07:37*	*03/14/23 21:04*	*1*
Toluene-d8 (Surr)	*129*		*67 - 134*	*03/14/23 07:37*	*03/14/23 21:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Acetophenone	ND		700	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Anthracene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Atrazine	ND		700	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Benzaldehyde	ND		700	43	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Bis(2-ethylhexyl) phthalate	ND	*+	3400	370	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Carbazole	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Chrysene	ND		70	39	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Dibenzofuran	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Fluorene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Hexachloroethane	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Isophorone	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2-Methylphenol	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Naphthalene	ND		70	14	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Nitrobenzene	ND		700	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Phenol	ND		340	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
Pyrene	ND		70	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*03/15/23 16:57*	*03/16/23 18:33*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*03/15/23 16:57*	*03/16/23 18:33*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 105*	*03/15/23 16:57*	*03/16/23 18:33*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*03/15/23 16:57*	*03/16/23 18:33*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*03/15/23 16:57*	*03/16/23 18:33*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*03/15/23 16:57*	*03/16/23 18:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:21*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:21*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:21*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3600**		13	3.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Antimony	ND		0.67	0.20	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Arsenic	**2.9**		0.67	0.42	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Barium	**33**		13	2.4	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Beryllium	**0.15**	**J**	0.27	0.073	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Cadmium	ND		0.33	0.049	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Calcium	**1600**		330	43	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Chromium	**3.8**		0.33	0.30	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Cobalt	**3.7**		3.3	0.47	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Copper	**6.1**		1.7	1.0	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Iron	**8400**		6.7	6.5	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1

Client Sample ID: SSHS-IRM5A2-HR-B17
Lab Sample ID: 180-153349-14
Date Collected: 03/09/23 15:30
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 94.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.6**		0.67	0.58	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Magnesium	**1200**		330	37	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Manganese	**220**		1.0	0.19	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Nickel	**7.2**		2.7	0.34	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Potassium	**290**	**J**	330	57	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Selenium	ND		0.67	0.31	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Silver	ND		0.33	0.070	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Sodium	**34**	**J**	330	34	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Thallium	ND		1.3	0.19	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Vanadium	**3.9**		3.3	0.53	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1
Zinc	**24**	**B**	1.3	0.97	mg/Kg	☼	03/16/23 09:34	03/27/23 16:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	03/16/23 12:15	03/17/23 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.5**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**94.5**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B18
Lab Sample ID: 180-153349-15
Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	20	3.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Benzene	ND		5.0	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
2-Butanone (MEK)	ND	*+	5.0	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Dichlorobromomethane	ND	*-	5.0	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1

Client Sample ID: SSHS-IRM5A2-HR-B18
Lab Sample ID: 180-153349-15

Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,4-Dioxane	ND	*+ *1	1000	36	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
2-Hexanone	ND	*+	5.0	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Styrene	ND		5.0	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Toluene	ND		5.0	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*	*03/14/23 07:37*	*03/14/23 21:31*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*03/14/23 07:37*	*03/14/23 21:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*03/14/23 07:37*	*03/14/23 21:31*	*1*
Toluene-d8 (Surr)	*125*		*67 - 134*	*03/14/23 07:37*	*03/14/23 21:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Acenaphthylene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Acetophenone	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Anthracene	ND		71	18	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Atrazine	ND		710	160	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B18
Lab Sample ID: 180-153349-15
Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Carbazole	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Chrysene	ND		71	39	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Dibenz(a,h)anthracene	ND		71	46	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Fluorene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Naphthalene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B18
Lab Sample ID: 180-153349-15
Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
Pyrene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*03/15/23 16:57*	*03/16/23 18:55*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*03/15/23 16:57*	*03/16/23 18:55*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*03/15/23 16:57*	*03/16/23 18:55*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*03/15/23 16:57*	*03/16/23 18:55*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*03/15/23 16:57*	*03/16/23 18:55*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*03/15/23 16:57*	*03/16/23 18:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:39*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:39*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:39*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		11	2.7	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Antimony	ND		0.54	0.16	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Arsenic	**5.5**		0.54	0.34	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Barium	**67**		11	1.9	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Beryllium	**0.27**		0.22	0.059	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Cadmium	ND		0.27	0.040	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Calcium	**1700**		270	35	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Chromium	**7.2**		0.27	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Cobalt	**6.3**		2.7	0.38	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Copper	**11**		1.3	0.81	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Iron	**16000**		5.4	5.2	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Lead	**5.7**		0.54	0.47	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1

Client Sample ID: SSHS-IRM5A2-HR-B18

Lab Sample ID: 180-153349-15
Date Collected: 03/09/23 15:35
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1900**		270	30	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Manganese	**390**		0.81	0.15	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Nickel	**14**		2.2	0.27	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Potassium	**410**		270	46	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Selenium	ND		0.54	0.25	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Silver	ND		0.27	0.056	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Sodium	ND		270	28	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Thallium	ND		1.1	0.15	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Vanadium	**9.1**		2.7	0.43	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1
Zinc	**33**	**B**	1.1	0.78	mg/Kg	☼	03/16/23 09:34	03/27/23 16:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.022	0.014	mg/Kg	☼	03/16/23 12:15	03/17/23 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.3**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**93.7**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B19

Lab Sample ID: 180-153349-16
Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	21	4.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Benzene	ND		5.1	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
2-Butanone (MEK)	ND	*+	5.1	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Dichlorobromomethane	ND	*-	5.1	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1

Client Sample ID: SSHS-IRM5A2-HR-B19
Lab Sample ID: 180-153349-16
Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,4-Dioxane	ND	*+ *1	1000	36	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
2-Hexanone	ND	*+	5.1	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Styrene	ND		5.1	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Toluene	ND		5.1	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	03/14/23 07:37	03/14/23 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*03/14/23 07:37*	*03/14/23 21:59*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*03/14/23 07:37*	*03/14/23 21:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*03/14/23 07:37*	*03/14/23 21:59*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*03/14/23 07:37*	*03/14/23 21:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Acenaphthylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Acetophenone	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Anthracene	ND		71	18	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Atrazine	ND		710	150	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B19
Lab Sample ID: 180-153349-16
Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Carbazole	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Chrysene	ND		71	39	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Fluorene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Naphthalene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1

Client Sample ID: SSHS-IRM5A2-HR-B19
Lab Sample ID: 180-153349-16

Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
Pyrene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*03/15/23 16:57*	*03/16/23 19:17*	*1*
2-Fluorophenol (Surr)	*92*		*48 - 105*	*03/15/23 16:57*	*03/16/23 19:17*	*1*
Nitrobenzene-d5 (Surr)	*103*		*46 - 105*	*03/15/23 16:57*	*03/16/23 19:17*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*03/15/23 16:57*	*03/16/23 19:17*	*1*
Terphenyl-d14 (Surr)	*98*		*39 - 105*	*03/15/23 16:57*	*03/16/23 19:17*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*03/15/23 16:57*	*03/16/23 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:58*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*03/13/23 16:51*	*03/14/23 18:58*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:58*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*03/13/23 16:51*	*03/14/23 18:58*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		18	4.6	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Antimony	ND		0.92	0.28	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Arsenic	**4.6**		0.92	0.58	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Barium	**44**		18	3.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Beryllium	**0.22**	**J**	0.37	0.10	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Cadmium	ND		0.46	0.068	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Calcium	**17000**		460	59	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Chromium	**8.0**		0.46	0.42	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Cobalt	**5.7**		4.6	0.65	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Copper	**14**		2.3	1.4	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Iron	**15000**		9.2	9.0	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Lead	**3.5**		0.92	0.80	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Magnesium	**2100**		460	51	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1

Client Sample ID: SSHS-IRM5A2-HR-B19
Lab Sample ID: 180-153349-16
Date Collected: 03/09/23 15:40
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**400**		1.4	0.26	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Nickel	**13**		3.7	0.46	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Potassium	**490**		460	78	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Selenium	**0.42**	**J**	0.92	0.42	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Silver	ND		0.46	0.096	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Sodium	ND		460	47	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Thallium	ND		1.8	0.26	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Vanadium	**9.5**		4.6	0.73	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1
Zinc	**31**	**B**	1.8	1.3	mg/Kg	☼	03/16/23 09:34	03/27/23 16:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.027	0.017	mg/Kg	☼	03/16/23 12:15	03/17/23 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.3**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**93.7**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B20
Lab Sample ID: 180-153349-17
Date Collected: 03/09/23 15:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	19	3.7	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Benzene	ND		4.7	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Bromomethane	ND		4.7	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
2-Butanone (MEK)	ND	*+	4.7	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Chloroethane	ND		4.7	2.8	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Cyclohexane	ND		4.7	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.1	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Dichlorobromomethane	ND	*-	4.7	2.2	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Dichlorodifluoromethane	ND		4.7	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1

Client Sample ID: SSHS-IRM5A2-HR-B20
Lab Sample ID: 180-153349-17
Date Collected: 03/09/23 15:45
Matrix: Solid
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Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2-Dichloropropane	ND		4.7	1.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,4-Dioxane	ND	*+ *1	950	34	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Ethylbenzene	ND		4.7	1.8	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
2-Hexanone	ND	*+	4.7	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Isopropylbenzene	ND		4.7	2.5	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Methylene Chloride	ND		4.7	4.3	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Styrene	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Toluene	ND		4.7	1.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
trans-1,2-Dichloroethene	ND		4.7	1.7	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,1,2-Trichloroethane	ND		4.7	0.94	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1
Xylenes, Total	ND		9.5	6.8	ug/Kg	☼	03/14/23 07:37	03/14/23 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*03/14/23 07:37*	*03/14/23 22:26*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*	*03/14/23 07:37*	*03/14/23 22:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*03/14/23 07:37*	*03/14/23 22:26*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*03/14/23 07:37*	*03/14/23 22:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Acenaphthylene	ND		72	16	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Acetophenone	ND		720	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Anthracene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Atrazine	ND		720	160	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Benzaldehyde	ND		720	44	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B20
Lab Sample ID: 180-153349-17
Date Collected: 03/09/23 15:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Carbazole	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Chrysene	ND		72	40	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Fluoranthene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Fluorene	ND		72	14	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Methylphenol, 3 & 4	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Naphthalene	ND		72	14	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Nitrobenzene	ND		720	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1

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Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
Pyrene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*03/15/23 16:57*	*03/16/23 19:39*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*03/15/23 16:57*	*03/16/23 19:39*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*03/15/23 16:57*	*03/16/23 19:39*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*03/15/23 16:57*	*03/16/23 19:39*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*03/15/23 16:57*	*03/16/23 19:39*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*03/15/23 16:57*	*03/16/23 19:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/13/23 16:51*	*03/14/23 19:53*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*03/13/23 16:51*	*03/14/23 19:53*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*03/13/23 16:51*	*03/14/23 19:53*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*03/13/23 16:51*	*03/14/23 19:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		11	2.9	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Antimony	ND		0.57	0.17	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Arsenic	**8.4**		0.57	0.36	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Barium	**63**		11	2.0	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Beryllium	**0.34**		0.23	0.062	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Cadmium	ND		0.29	0.042	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Calcium	**4300**		290	37	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Chromium	**9.6**		0.29	0.26	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Cobalt	**8.5**		2.9	0.40	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Copper	**19**		1.4	0.86	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Iron	**20000**		5.7	5.6	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Lead	**19**		0.57	0.50	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Magnesium	**2700**		290	31	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Manganese	**330**		0.86	0.16	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1

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Date Collected: 03/09/23 15:45
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	19		2.3	0.29	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Potassium	540		290	49	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Selenium	ND		0.57	0.26	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Silver	ND		0.29	0.059	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Sodium	29	J	290	29	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Thallium	0.16	J	1.1	0.16	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Vanadium	11		2.9	0.45	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1
Zinc	44	B	1.1	0.83	mg/Kg	☼	03/16/23 09:36	03/27/23 17:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.028	0.018	mg/Kg	☼	03/16/23 12:15	03/17/23 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.9		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	93.1		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	20	4.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Benzene	ND		5.1	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
2-Butanone (MEK)	ND	*+	5.1	2.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Dichlorobromomethane	ND	*-	5.1	2.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,4-Dioxane	ND	*+ *1	1000	36	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
2-Hexanone	ND	*+	5.1	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Styrene	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Toluene	ND		5.1	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*60 - 124*	*03/14/23 18:14*	*03/14/23 19:14*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*03/14/23 18:14*	*03/14/23 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*03/14/23 18:14*	*03/14/23 19:14*	*1*
Toluene-d8 (Surr)	*125*		*67 - 134*	*03/14/23 18:14*	*03/14/23 19:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Acenaphthylene	ND		72	16	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Acetophenone	ND		720	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Anthracene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Atrazine	ND		720	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Benzaldehyde	ND		720	45	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Bis(2-ethylhexyl) phthalate	ND	*+	3500	380	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Carbazole	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Chrysene	ND		72	40	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Fluoranthene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Fluorene	ND		72	14	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Methylphenol, 3 & 4	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Naphthalene	ND		72	14	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Nitrobenzene	ND		720	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Phenanthrene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18
Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
Pyrene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*03/15/23 16:57*	*03/16/23 20:01*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*03/15/23 16:57*	*03/16/23 20:01*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*03/15/23 16:57*	*03/16/23 20:01*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*03/15/23 16:57*	*03/16/23 20:01*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*03/15/23 16:57*	*03/16/23 20:01*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*03/15/23 16:57*	*03/16/23 20:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1232	ND		17	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1242	ND		17	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*03/13/23 16:51*	*03/14/23 20:12*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*03/13/23 16:51*	*03/14/23 20:12*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*03/13/23 16:51*	*03/14/23 20:12*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/13/23 16:51*	*03/14/23 20:12*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		20	5.1	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Antimony	ND		1.0	0.31	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Arsenic	**8.4**		1.0	0.64	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Barium	**70**		20	3.6	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Beryllium	**0.37**	**J**	0.41	0.11	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Cadmium	ND		0.51	0.074	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Calcium	**6700**		510	66	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Chromium	**11**		0.51	0.46	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Cobalt	**9.2**		5.1	0.71	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Copper	**23**		2.5	1.5	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Iron	**22000**		10	9.9	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Lead	**13**		1.0	0.88	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Magnesium	**3000**		510	56	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Manganese	**450**		1.5	0.28	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Nickel	**20**		4.1	0.51	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1

Client Sample ID: SSHS-IRM5A2-HR-B21
Lab Sample ID: 180-153349-18

Date Collected: 03/09/23 15:50
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**540**		510	86	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Selenium	ND		1.0	0.47	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Silver	ND		0.51	0.11	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Sodium	ND		510	52	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Thallium	ND		2.0	0.29	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Vanadium	**12**		5.1	0.80	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1
Zinc	**52**	**B**	2.0	1.5	mg/Kg	☼	03/16/23 09:36	03/27/23 17:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.026	0.017	mg/Kg	☼	03/16/23 12:15	03/17/23 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.0**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**93.0**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19

Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	19	3.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Benzene	ND		4.7	1.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Bromomethane	ND		4.7	2.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
2-Butanone (MEK)	ND	*+	4.7	2.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Carbon disulfide	ND		4.7	3.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Chloroethane	ND		4.7	2.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Cyclohexane	ND		4.7	2.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.0	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Dichlorobromomethane	ND	*-	4.7	2.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Dichlorodifluoromethane	ND		4.7	2.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2-Dichloroethane	ND		4.7	1.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2-Dichloroethene, Total	ND		9.4	3.8	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.7	1.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,4-Dioxane	ND	*+ *1	940	33	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Ethylbenzene	ND		4.7	1.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
2-Hexanone	ND	*+	4.7	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Isopropylbenzene	ND		4.7	2.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Methyl acetate	ND		23	6.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Methylene Chloride	ND		4.7	4.2	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Styrene	ND		4.7	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Toluene	ND		4.7	1.3	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
trans-1,2-Dichloroethene	ND		4.7	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,1,2-Trichloroethane	ND		4.7	0.93	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1
Xylenes, Total	ND		9.4	6.8	ug/Kg	☼	03/14/23 18:14	03/14/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*	*03/14/23 18:14*	*03/14/23 19:41*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*03/14/23 18:14*	*03/14/23 19:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*	*03/14/23 18:14*	*03/14/23 19:41*	*1*
Toluene-d8 (Surr)	*121*		*67 - 134*	*03/14/23 18:14*	*03/14/23 19:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Acenaphthylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Acetophenone	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Anthracene	ND		71	18	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Atrazine	ND		710	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Benzaldehyde	ND		710	44	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	*+	3500	370	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Carbazole	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Chrysene	ND		71	39	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Di-n-octyl phthalate	ND	*+	350	200	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Fluoranthene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Fluorene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Hexachloroethane	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Isophorone	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Naphthalene	ND		71	14	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Nitrobenzene	ND		710	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Phenanthrene	ND		71	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
Phenol	ND		350	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19

Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		71	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*03/15/23 16:57*	*03/16/23 20:23*	*1*
2-Fluorophenol (Surr)	*93*		*48 - 105*	*03/15/23 16:57*	*03/16/23 20:23*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*03/15/23 16:57*	*03/16/23 20:23*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*03/15/23 16:57*	*03/16/23 20:23*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 105*	*03/15/23 16:57*	*03/16/23 20:23*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*03/15/23 16:57*	*03/16/23 20:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*03/13/23 16:51*	*03/14/23 20:30*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*03/13/23 16:51*	*03/14/23 20:30*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*03/13/23 16:51*	*03/14/23 20:30*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*03/13/23 16:51*	*03/14/23 20:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		15	3.7	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Antimony	ND		0.73	0.22	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Arsenic	**7.4**		0.73	0.46	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Barium	**42**		15	2.6	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Beryllium	**0.25**	**J**	0.29	0.080	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Cadmium	ND		0.37	0.054	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Calcium	**1700**		370	47	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Chromium	**7.0**		0.37	0.33	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Cobalt	**6.1**		3.7	0.52	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Copper	**7.1**		1.8	1.1	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Iron	**14000**		7.3	7.1	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Lead	**4.5**		0.73	0.64	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Magnesium	**2000**		370	40	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Manganese	**250**		1.1	0.20	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Nickel	**14**		2.9	0.37	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Potassium	**400**		370	62	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1

Client Sample ID: SSHS-IRM5A2-DUP285
Lab Sample ID: 180-153349-19
Date Collected: 03/09/23 00:00
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.73	0.34	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Silver	ND		0.37	0.076	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Sodium	ND		370	37	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Thallium	ND		1.5	0.21	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Vanadium	**6.5**		3.7	0.58	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1
Zinc	**34**	**B**	1.5	1.1	mg/Kg	☼	03/16/23 09:36	03/27/23 17:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.027	0.017	mg/Kg	☼	03/16/23 12:15	03/17/23 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.5**		0.1	0.1	%			03/13/23 12:17	1
Percent Solids (SM22 2540G)	**93.5**		0.1	0.1	%			03/13/23 12:17	1

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20
Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	21	4.2	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Benzene	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
2-Butanone (MEK)	ND	*+	5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Dichlorobromomethane	ND	*-	5.3	2.5	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20
Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	*+ *1	1100	38	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
2-Hexanone	ND	*+	5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Styrene	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Toluene	ND		5.3	1.5	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	03/13/23 07:31	03/14/23 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*60 - 124*	*03/13/23 07:31*	*03/14/23 20:09*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*03/13/23 07:31*	*03/14/23 20:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*03/13/23 07:31*	*03/14/23 20:09*	*1*
Toluene-d8 (Surr)	*127*		*67 - 134*	*03/13/23 07:31*	*03/14/23 20:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Acenaphthylene	ND		72	16	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Acetophenone	ND		720	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Anthracene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Atrazine	ND		720	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Benzaldehyde	ND		720	45	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Benzo[a]anthracene	ND		72	33	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Benzo[g,h,i]perylene	ND		72	16	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Bis(2-ethylhexyl) phthalate	ND	*+	3600	380	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20
Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Carbazole	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Chrysene	ND		72	40	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Dibenzofuran	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Di-n-octyl phthalate	ND	*+	360	210	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Fluoranthene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Fluorene	ND		72	14	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Hexachloroethane	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Isophorone	ND		360	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2-Methylphenol	ND		360	100	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Naphthalene	ND		72	14	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Nitrobenzene	ND		720	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Phenanthrene	ND		72	19	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Phenol	ND		360	110	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
Pyrene	ND		72	17	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20

Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	03/15/23 16:57	03/16/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*03/15/23 16:57*	*03/16/23 20:45*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*03/15/23 16:57*	*03/16/23 20:45*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*03/15/23 16:57*	*03/16/23 20:45*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*03/15/23 16:57*	*03/16/23 20:45*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*03/15/23 16:57*	*03/16/23 20:45*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*03/15/23 16:57*	*03/16/23 20:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1260	ND		18	5.1	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1262	ND		18	6.3	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/13/23 16:51	03/14/23 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*03/13/23 16:51*	*03/14/23 20:49*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*03/13/23 16:51*	*03/14/23 20:49*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*03/13/23 16:51*	*03/14/23 20:49*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*03/13/23 16:51*	*03/14/23 20:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		18	4.5	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Antimony	ND		0.90	0.27	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Arsenic	**8.8**		0.90	0.57	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Barium	**65**		18	3.2	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Beryllium	**0.40**		0.36	0.098	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Cadmium	ND		0.45	0.066	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Calcium	**3700**		450	58	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Chromium	**11**		0.45	0.41	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Cobalt	**8.7**		4.5	0.63	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Copper	**14**		2.3	1.4	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Iron	**22000**		9.0	8.8	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Lead	**9.0**		0.90	0.79	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Magnesium	**3000**		450	49	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Manganese	**290**		1.4	0.25	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Nickel	**20**		3.6	0.45	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Potassium	**750**		450	77	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Selenium	ND		0.90	0.42	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B22
Lab Sample ID: 180-153349-20

Date Collected: 03/09/23 15:55
Matrix: Solid
Date Received: 03/10/23 09:28
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.45	0.094	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Sodium	**46**	**J**	450	46	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Thallium	ND		1.8	0.26	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Vanadium	**11**		4.5	0.71	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1
Zinc	**50**	**B**	1.8	1.3	mg/Kg	☼	03/16/23 09:36	03/27/23 17:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	03/16/23 12:15	03/17/23 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.6**		0.1	0.1	%			03/13/23 12:37	1
Percent Solids (SM22 2540G)	**92.4**		0.1	0.1	%			03/13/23 12:37	1

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

Lab Sample ID: MB 180-428928/9
Matrix: Solid
Analysis Batch: 428928

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			03/13/23 12:28	1
Benzene	ND		5.0	1.4	ug/Kg			03/13/23 12:28	1
Bromoform	ND		5.0	2.5	ug/Kg			03/13/23 12:28	1
Bromomethane	ND		5.0	2.3	ug/Kg			03/13/23 12:28	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			03/13/23 12:28	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			03/13/23 12:28	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			03/13/23 12:28	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			03/13/23 12:28	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			03/13/23 12:28	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			03/13/23 12:28	1
Chloroethane	ND		5.0	2.9	ug/Kg			03/13/23 12:28	1
Chloroform	ND		5.0	1.6	ug/Kg			03/13/23 12:28	1
Chloromethane	ND		5.0	2.0	ug/Kg			03/13/23 12:28	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			03/13/23 12:28	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			03/13/23 12:28	1
Cyclohexane	ND		5.0	2.4	ug/Kg			03/13/23 12:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			03/13/23 12:28	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			03/13/23 12:28	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			03/13/23 12:28	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			03/13/23 12:28	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			03/13/23 12:28	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			03/13/23 12:28	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			03/13/23 12:28	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			03/13/23 12:28	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			03/13/23 12:28	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			03/13/23 12:28	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			03/13/23 12:28	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			03/13/23 12:28	1
1,4-Dioxane	ND		1000	35	ug/Kg			03/13/23 12:28	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			03/13/23 12:28	1
2-Hexanone	ND		5.0	1.6	ug/Kg			03/13/23 12:28	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			03/13/23 12:28	1
Methyl acetate	ND		25	7.4	ug/Kg			03/13/23 12:28	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			03/13/23 12:28	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			03/13/23 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			03/13/23 12:28	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			03/13/23 12:28	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			03/13/23 12:28	1
o-Xylene	ND		5.0	2.0	ug/Kg			03/13/23 12:28	1
Styrene	ND		5.0	1.5	ug/Kg			03/13/23 12:28	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			03/13/23 12:28	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			03/13/23 12:28	1
Toluene	ND		5.0	1.4	ug/Kg			03/13/23 12:28	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			03/13/23 12:28	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			03/13/23 12:28	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			03/13/23 12:28	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			03/13/23 12:28	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			03/13/23 12:28	1

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

Lab Sample ID: MB 180-428928/9
Matrix: Solid
Analysis Batch: 428928

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			03/13/23 12:28	1
Trichloroethene	ND		5.0	1.6	ug/Kg			03/13/23 12:28	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			03/13/23 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			03/13/23 12:28	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			03/13/23 12:28	1
Xylenes, Total	ND		10	7.2	ug/Kg			03/13/23 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*		*03/13/23 12:28*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*		*03/13/23 12:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*		*03/13/23 12:28*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*		*03/13/23 12:28*	*1*

Lab Sample ID: LCS 180-428928/7
Matrix: Solid
Analysis Batch: 428928

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	39.3		ug/Kg		98	23 - 170
Benzene	40.0	39.4		ug/Kg		99	77 - 120
Bromoform	40.0	35.1		ug/Kg		88	37 - 147
Bromomethane	40.0	30.2		ug/Kg		75	47 - 149
2-Butanone (MEK)	40.0	35.9		ug/Kg		90	39 - 157
Carbon disulfide	40.0	35.6		ug/Kg		89	40 - 156
Carbon tetrachloride	40.0	38.8		ug/Kg		97	73 - 130
Chlorobenzene	40.0	41.7		ug/Kg		104	79 - 122
Chlorobromomethane	40.0	39.4		ug/Kg		99	64 - 128
Chlorodibromomethane	40.0	37.2		ug/Kg		93	60 - 134
Chloroethane	40.0	38.0		ug/Kg		95	37 - 159
Chloroform	40.0	37.3		ug/Kg		93	73 - 126
Chloromethane	40.0	26.5		ug/Kg		66	46 - 151
cis-1,2-Dichloroethene	40.0	41.1		ug/Kg		103	77 - 118
cis-1,3-Dichloropropene	40.0	42.2		ug/Kg		105	73 - 127
Cyclohexane	40.0	37.0		ug/Kg		93	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	33.9		ug/Kg		85	30 - 163
1,2-Dibromoethane	40.0	41.4		ug/Kg		104	59 - 137
1,2-Dichlorobenzene	40.0	40.6		ug/Kg		101	76 - 120
1,3-Dichlorobenzene	40.0	43.6		ug/Kg		109	77 - 121
1,4-Dichlorobenzene	40.0	42.5		ug/Kg		106	79 - 120
Dichlorobromomethane	40.0	36.3		ug/Kg		91	75 - 123
Dichlorodifluoromethane	40.0	27.0		ug/Kg		67	26 - 149
1,1-Dichloroethane	40.0	38.3		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	38.3		ug/Kg		96	64 - 140
1,1-Dichloroethene	40.0	39.2		ug/Kg		98	55 - 136
1,2-Dichloroethene, Total	80.0	80.8		ug/Kg		101	77 - 119
1,2-Dichloropropane	40.0	38.5		ug/Kg		96	77 - 119
1,4-Dioxane	800	764	J	ug/Kg		96	18 - 166
Ethylbenzene	40.0	42.5		ug/Kg		106	79 - 119

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

Lab Sample ID: LCS 180-428928/7
Matrix: Solid
Analysis Batch: 428928

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	34.1		ug/Kg		85	42 - 152
Isopropylbenzene	40.0	40.7		ug/Kg		102	70 - 125
Methyl acetate	80.0	55.9		ug/Kg		70	20 - 170
Methylcyclohexane	40.0	40.9		ug/Kg		102	70 - 125
Methylene Chloride	40.0	35.0		ug/Kg		87	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	32.0		ug/Kg		80	51 - 147
Methyl tert-butyl ether	40.0	36.1		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	42.0		ug/Kg		105	77 - 120
o-Xylene	40.0	42.1		ug/Kg		105	78 - 118
Styrene	40.0	42.1		ug/Kg		105	80 - 120
1,1,2,2-Tetrachloroethane	40.0	32.2		ug/Kg		80	36 - 170
Tetrachloroethene	40.0	45.0		ug/Kg		112	71 - 121
Toluene	40.0	43.3		ug/Kg		108	76 - 120
trans-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	75 - 122
trans-1,3-Dichloropropene	40.0	39.4		ug/Kg		99	68 - 133
1,2,3-Trichlorobenzene	40.0	44.3		ug/Kg		111	29 - 166
1,2,4-Trichlorobenzene	40.0	41.1		ug/Kg		103	22 - 170
1,1,1-Trichloroethane	40.0	39.7		ug/Kg		99	72 - 134
1,1,2-Trichloroethane	40.0	39.0		ug/Kg		98	66 - 128
Trichloroethene	40.0	40.9		ug/Kg		102	69 - 118
Trichlorofluoromethane	40.0	44.6		ug/Kg		111	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.3		ug/Kg		93	59 - 135
Vinyl chloride	40.0	26.8		ug/Kg		67	64 - 134
Xylenes, Total	80.0	84.1		ug/Kg		105	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*95*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 428928

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 428947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		40.4	55.6		ug/Kg	☼	138	23 - 170
Benzene	ND		40.4	42.7		ug/Kg	☼	106	77 - 120
Bromoform	ND		40.4	38.1		ug/Kg	☼	94	37 - 147
Bromomethane	ND	F2	40.4	36.9		ug/Kg	☼	91	47 - 149
2-Butanone (MEK)	ND		40.4	42.9		ug/Kg	☼	106	39 - 157
Carbon disulfide	ND	F2	40.4	47.4		ug/Kg	☼	117	40 - 156
Carbon tetrachloride	ND	F2	40.4	47.7		ug/Kg	☼	118	73 - 130
Chlorobenzene	ND		40.4	43.6		ug/Kg	☼	108	79 - 122
Chlorobromomethane	ND	F2	40.4	46.9		ug/Kg	☼	116	64 - 128
Chlorodibromomethane	ND		40.4	38.2		ug/Kg	☼	95	60 - 134
Chloroethane	ND	F2	40.4	48.3		ug/Kg	☼	119	37 - 159
Chloroform	ND		40.4	41.6		ug/Kg	☼	103	73 - 126

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

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 428928

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 428947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND	F2	40.4	43.4		ug/Kg	☼	107	46 - 151
cis-1,2-Dichloroethene	ND		40.4	46.7		ug/Kg	☼	116	77 - 118
cis-1,3-Dichloropropene	ND		40.4	40.3		ug/Kg	☼	100	73 - 127
Cyclohexane	ND	F2	40.4	47.1		ug/Kg	☼	117	63 - 143
1,2-Dibromo-3-Chloropropane	ND		40.4	43.5		ug/Kg	☼	108	30 - 163
1,2-Dibromoethane	ND		40.4	41.4		ug/Kg	☼	102	59 - 137
1,2-Dichlorobenzene	ND		40.4	45.9		ug/Kg	☼	114	76 - 120
1,3-Dichlorobenzene	ND		40.4	45.1		ug/Kg	☼	112	77 - 121
1,4-Dichlorobenzene	ND		40.4	43.6		ug/Kg	☼	108	79 - 120
Dichlorobromomethane	ND		40.4	37.4		ug/Kg	☼	93	75 - 123
Dichlorodifluoromethane	ND	F2	40.4	37.2		ug/Kg	☼	92	26 - 149
1,1-Dichloroethane	ND	F2	40.4	44.4		ug/Kg	☼	110	73 - 124
1,2-Dichloroethane	ND		40.4	42.2		ug/Kg	☼	105	64 - 140
1,1-Dichloroethene	ND	F2	40.4	50.7		ug/Kg	☼	125	55 - 136
1,2-Dichloroethene, Total	ND	F2	80.8	95.3		ug/Kg	☼	118	77 - 119
1,2-Dichloropropane	ND		40.4	40.3		ug/Kg	☼	100	77 - 119
1,4-Dioxane	ND		808	1060		ug/Kg	☼	131	18 - 166
Ethylbenzene	ND		40.4	45.6		ug/Kg	☼	113	79 - 119
2-Hexanone	ND		40.4	36.6		ug/Kg	☼	91	42 - 152
Isopropylbenzene	ND	F2	40.4	49.3		ug/Kg	☼	122	70 - 125
Methyl acetate	ND		80.8	71.6		ug/Kg	☼	89	20 - 170
Methylcyclohexane	ND	F1 F2	40.4	50.8	F1	ug/Kg	☼	126	70 - 125
Methylene Chloride	ND	F2	40.4	47.9		ug/Kg	☼	118	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		40.4	38.9		ug/Kg	☼	96	51 - 147
Methyl tert-butyl ether	ND	F2	40.4	51.1		ug/Kg	☼	127	58 - 132
m-Xylene & p-Xylene	ND		40.4	45.4		ug/Kg	☼	112	77 - 120
o-Xylene	ND	F1 F2	40.4	48.8	F1	ug/Kg	☼	121	78 - 118
Styrene	ND		40.4	43.8		ug/Kg	☼	108	80 - 120
1,1,2,2-Tetrachloroethane	ND	F2	40.4	42.6		ug/Kg	☼	105	36 - 170
Tetrachloroethene	ND		40.4	47.4		ug/Kg	☼	117	71 - 121
Toluene	ND		40.4	45.8		ug/Kg	☼	113	76 - 120
trans-1,2-Dichloroethene	ND	F2	40.4	48.5		ug/Kg	☼	120	75 - 122
trans-1,3-Dichloropropene	ND		40.4	38.0		ug/Kg	☼	94	68 - 133
1,2,3-Trichlorobenzene	ND		40.4	54.2		ug/Kg	☼	134	29 - 166
1,2,4-Trichlorobenzene	ND	F2	40.4	53.6		ug/Kg	☼	133	22 - 170
1,1,1-Trichloroethane	ND	F2	40.4	49.7		ug/Kg	☼	123	72 - 134
1,1,2-Trichloroethane	ND		40.4	42.1		ug/Kg	☼	104	66 - 128
Trichloroethene	ND		40.4	43.4		ug/Kg	☼	108	69 - 118
Trichlorofluoromethane	ND		40.4	48.2		ug/Kg	☼	119	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	40.4	50.3		ug/Kg	☼	124	59 - 135
Vinyl chloride	ND	F1 F2	40.4	33.1		ug/Kg	☼	82	64 - 134
Xylenes, Total	ND		80.8	94.2		ug/Kg	☼	117	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*

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

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 428928

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 428947

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*67 - 134*

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 428928

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 428947

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		39.5	39.3		ug/Kg	☼	100	23 - 170	34	35
Benzene	ND		39.5	36.7		ug/Kg	☼	93	77 - 120	15	20
Bromoform	ND		39.5	32.0		ug/Kg	☼	81	37 - 147	18	23
Bromomethane	ND	F2	39.5	26.8	F2	ug/Kg	☼	68	47 - 149	32	25
2-Butanone (MEK)	ND		39.5	35.8		ug/Kg	☼	91	39 - 157	18	33
Carbon disulfide	ND	F2	39.5	32.9	F2	ug/Kg	☼	83	40 - 156	36	25
Carbon tetrachloride	ND	F2	39.5	35.6	F2	ug/Kg	☼	90	73 - 130	29	21
Chlorobenzene	ND		39.5	39.4		ug/Kg	☼	100	79 - 122	10	20
Chlorobromomethane	ND	F2	39.5	37.5	F2	ug/Kg	☼	95	64 - 128	22	20
Chlorodibromomethane	ND		39.5	34.1		ug/Kg	☼	86	60 - 134	11	40
Chloroethane	ND	F2	39.5	32.1	F2	ug/Kg	☼	81	37 - 159	40	25
Chloroform	ND		39.5	35.4		ug/Kg	☼	90	73 - 126	16	20
Chloromethane	ND	F2	39.5	29.6	F2	ug/Kg	☼	75	46 - 151	38	33
cis-1,2-Dichloroethene	ND		39.5	39.2		ug/Kg	☼	99	77 - 118	18	20
cis-1,3-Dichloropropene	ND		39.5	39.4		ug/Kg	☼	100	73 - 127	2	20
Cyclohexane	ND	F2	39.5	34.3	F2	ug/Kg	☼	87	63 - 143	32	25
1,2-Dibromo-3-Chloropropane	ND		39.5	31.1		ug/Kg	☼	79	30 - 163	33	34
1,2-Dibromoethane	ND		39.5	36.4		ug/Kg	☼	92	59 - 137	13	20
1,2-Dichlorobenzene	ND		39.5	38.0		ug/Kg	☼	96	76 - 120	19	20
1,3-Dichlorobenzene	ND		39.5	40.4		ug/Kg	☼	102	77 - 121	11	20
1,4-Dichlorobenzene	ND		39.5	40.0		ug/Kg	☼	101	79 - 120	9	20
Dichlorobromomethane	ND		39.5	34.7		ug/Kg	☼	88	75 - 123	8	20
Dichlorodifluoromethane	ND	F2	39.5	23.8	F2	ug/Kg	☼	60	26 - 149	44	24
1,1-Dichloroethane	ND	F2	39.5	36.1	F2	ug/Kg	☼	91	73 - 124	21	20
1,2-Dichloroethane	ND		39.5	37.0		ug/Kg	☼	94	64 - 140	13	20
1,1-Dichloroethene	ND	F2	39.5	37.1	F2	ug/Kg	☼	94	55 - 136	31	21
1,2-Dichloroethene, Total	ND	F2	78.9	76.3	F2	ug/Kg	☼	97	77 - 119	22	20
1,2-Dichloropropane	ND		39.5	36.7		ug/Kg	☼	93	77 - 119	9	20
1,4-Dioxane	ND		789	796	J	ug/Kg	☼	101	18 - 166	29	40
Ethylbenzene	ND		39.5	39.7		ug/Kg	☼	101	79 - 119	14	20
2-Hexanone	ND		39.5	33.9		ug/Kg	☼	86	42 - 152	7	30
Isopropylbenzene	ND	F2	39.5	37.9	F2	ug/Kg	☼	96	70 - 125	26	21
Methyl acetate	ND		78.9	57.1		ug/Kg	☼	72	20 - 170	23	33
Methylcyclohexane	ND	F1 F2	39.5	37.9	F2	ug/Kg	☼	96	70 - 125	29	22
Methylene Chloride	ND	F2	39.5	34.2	F2	ug/Kg	☼	87	67 - 131	33	32
4-Methyl-2-pentanone (MIBK)	ND		39.5	32.3		ug/Kg	☼	82	51 - 147	19	27
Methyl tert-butyl ether	ND	F2	39.5	35.3	F2	ug/Kg	☼	89	58 - 132	37	24
m-Xylene & p-Xylene	ND		39.5	39.4		ug/Kg	☼	100	77 - 120	14	20
o-Xylene	ND	F1 F2	39.5	39.2	F2	ug/Kg	☼	99	78 - 118	22	20
Styrene	ND		39.5	39.3		ug/Kg	☼	100	80 - 120	11	20
1,1,2,2-Tetrachloroethane	ND	F2	39.5	31.1	F2	ug/Kg	☼	79	36 - 170	31	23

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

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 428928

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 428947

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	ND		39.5	41.7		ug/Kg	☼	106	71 - 121	13	21
Toluene	ND		39.5	40.5		ug/Kg	☼	103	76 - 120	12	20
trans-1,2-Dichloroethene	ND	F2	39.5	37.1	F2	ug/Kg	☼	94	75 - 122	27	20
trans-1,3-Dichloropropene	ND		39.5	37.0		ug/Kg	☼	94	68 - 133	3	20
1,2,3-Trichlorobenzene	ND		39.5	37.9		ug/Kg	☼	96	29 - 166	35	40
1,2,4-Trichlorobenzene	ND	F2	39.5	39.3	F2	ug/Kg	☼	100	22 - 170	31	29
1,1,1-Trichloroethane	ND	F2	39.5	36.4	F2	ug/Kg	☼	92	72 - 134	31	20
1,1,2-Trichloroethane	ND		39.5	37.7		ug/Kg	☼	96	66 - 128	11	21
Trichloroethene	ND		39.5	38.7		ug/Kg	☼	98	69 - 118	12	20
Trichlorofluoromethane	ND		39.5	35.5		ug/Kg	☼	90	32 - 149	30	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	39.5	35.5	F2	ug/Kg	☼	90	59 - 135	34	28
Vinyl chloride	ND	F1 F2	39.5	22.2	F1 F2	ug/Kg	☼	56	64 - 134	39	23
Xylenes, Total	ND		78.9	78.6		ug/Kg	☼	100	78 - 118	18	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*111*		*67 - 134*

Lab Sample ID: MB 180-429121/11
Matrix: Solid
Analysis Batch: 429121

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			03/14/23 16:22	1
Benzene	ND		5.0	1.4	ug/Kg			03/14/23 16:22	1
Bromoform	ND		5.0	2.5	ug/Kg			03/14/23 16:22	1
Bromomethane	ND		5.0	2.3	ug/Kg			03/14/23 16:22	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			03/14/23 16:22	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			03/14/23 16:22	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			03/14/23 16:22	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			03/14/23 16:22	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			03/14/23 16:22	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			03/14/23 16:22	1
Chloroethane	ND		5.0	2.9	ug/Kg			03/14/23 16:22	1
Chloroform	ND		5.0	1.6	ug/Kg			03/14/23 16:22	1
Chloromethane	ND		5.0	2.0	ug/Kg			03/14/23 16:22	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			03/14/23 16:22	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			03/14/23 16:22	1
Cyclohexane	ND		5.0	2.4	ug/Kg			03/14/23 16:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			03/14/23 16:22	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			03/14/23 16:22	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			03/14/23 16:22	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			03/14/23 16:22	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			03/14/23 16:22	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			03/14/23 16:22	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			03/14/23 16:22	1

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

Lab Sample ID: MB 180-429121/11
Matrix: Solid
Analysis Batch: 429121

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			03/14/23 16:22	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			03/14/23 16:22	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			03/14/23 16:22	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			03/14/23 16:22	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			03/14/23 16:22	1
1,4-Dioxane	ND		1000	35	ug/Kg			03/14/23 16:22	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			03/14/23 16:22	1
2-Hexanone	ND		5.0	1.6	ug/Kg			03/14/23 16:22	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			03/14/23 16:22	1
Methyl acetate	ND		25	7.4	ug/Kg			03/14/23 16:22	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			03/14/23 16:22	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			03/14/23 16:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			03/14/23 16:22	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			03/14/23 16:22	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			03/14/23 16:22	1
o-Xylene	ND		5.0	2.0	ug/Kg			03/14/23 16:22	1
Styrene	ND		5.0	1.5	ug/Kg			03/14/23 16:22	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			03/14/23 16:22	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			03/14/23 16:22	1
Toluene	ND		5.0	1.4	ug/Kg			03/14/23 16:22	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			03/14/23 16:22	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			03/14/23 16:22	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			03/14/23 16:22	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			03/14/23 16:22	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			03/14/23 16:22	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			03/14/23 16:22	1
Trichloroethene	ND		5.0	1.6	ug/Kg			03/14/23 16:22	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			03/14/23 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			03/14/23 16:22	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			03/14/23 16:22	1
Xylenes, Total	ND		10	7.2	ug/Kg			03/14/23 16:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*03/14/23 16:22*	*1*
Dibromofluoromethane (Surr)	*81*		*69 - 126*		*03/14/23 16:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*73 - 135*		*03/14/23 16:22*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*		*03/14/23 16:22*	*1*

Lab Sample ID: LCS 180-429121/7
Matrix: Solid
Analysis Batch: 429121

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	113	E *+	ug/Kg		283	23 - 170
Benzene	40.0	33.2		ug/Kg		83	77 - 120
Bromoform	40.0	36.0		ug/Kg		90	37 - 147
Bromomethane	40.0	26.7		ug/Kg		67	47 - 149
2-Butanone (MEK)	40.0	83.2	*+	ug/Kg		208	39 - 157

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

Lab Sample ID: LCS 180-429121/7
Matrix: Solid
Analysis Batch: 429121

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	40.0	31.8		ug/Kg		80	40 - 156
Carbon tetrachloride	40.0	29.7		ug/Kg		74	73 - 130
Chlorobenzene	40.0	35.5		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	35.6		ug/Kg		89	64 - 128
Chlorodibromomethane	40.0	32.9		ug/Kg		82	60 - 134
Chloroethane	40.0	31.6		ug/Kg		79	37 - 159
Chloroform	40.0	29.5		ug/Kg		74	73 - 126
Chloromethane	40.0	26.4		ug/Kg		66	46 - 151
cis-1,2-Dichloroethene	40.0	35.2		ug/Kg		88	77 - 118
cis-1,3-Dichloropropene	40.0	33.4		ug/Kg		84	73 - 127
Cyclohexane	40.0	30.7		ug/Kg		77	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	43.9		ug/Kg		110	30 - 163
1,2-Dibromoethane	40.0	40.7		ug/Kg		102	59 - 137
1,2-Dichlorobenzene	40.0	34.1		ug/Kg		85	76 - 120
1,3-Dichlorobenzene	40.0	36.7		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	35.9		ug/Kg		90	79 - 120
Dichlorobromomethane	40.0	28.4	*-	ug/Kg		71	75 - 123
Dichlorodifluoromethane	40.0	25.6		ug/Kg		64	26 - 149
1,1-Dichloroethane	40.0	31.9		ug/Kg		80	73 - 124
1,2-Dichloroethane	40.0	34.0		ug/Kg		85	64 - 140
1,1-Dichloroethene	40.0	33.7		ug/Kg		84	55 - 136
1,2-Dichloroethene, Total	80.0	69.7		ug/Kg		87	77 - 119
1,2-Dichloropropane	40.0	32.2		ug/Kg		81	77 - 119
1,4-Dioxane	800	2090	E *+	ug/Kg		261	18 - 166
Ethylbenzene	40.0	34.9		ug/Kg		87	79 - 119
2-Hexanone	40.0	69.4	*+	ug/Kg		174	42 - 152
Isopropylbenzene	40.0	32.4		ug/Kg		81	70 - 125
Methyl acetate	80.0	112		ug/Kg		141	20 - 170
Methylcyclohexane	40.0	33.2		ug/Kg		83	70 - 125
Methylene Chloride	40.0	30.6		ug/Kg		76	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	55.0		ug/Kg		137	51 - 147
Methyl tert-butyl ether	40.0	34.5		ug/Kg		86	58 - 132
m-Xylene & p-Xylene	40.0	34.8		ug/Kg		87	77 - 120
o-Xylene	40.0	33.3		ug/Kg		83	78 - 118
Styrene	40.0	35.2		ug/Kg		88	80 - 120
1,1,2,2-Tetrachloroethane	40.0	42.9		ug/Kg		107	36 - 170
Tetrachloroethene	40.0	38.7		ug/Kg		97	71 - 121
Toluene	40.0	36.8		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	34.5		ug/Kg		86	75 - 122
trans-1,3-Dichloropropene	40.0	34.3		ug/Kg		86	68 - 133
1,2,3-Trichlorobenzene	40.0	32.7		ug/Kg		82	29 - 166
1,2,4-Trichlorobenzene	40.0	33.6		ug/Kg		84	22 - 170
1,1,1-Trichloroethane	40.0	30.4		ug/Kg		76	72 - 134
1,1,2-Trichloroethane	40.0	38.3		ug/Kg		96	66 - 128
Trichloroethene	40.0	34.5		ug/Kg		86	69 - 118
Trichlorofluoromethane	40.0	27.5		ug/Kg		69	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	28.3		ug/Kg		71	59 - 135
Vinyl chloride	40.0	27.8		ug/Kg		69	64 - 134

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

Lab Sample ID: LCS 180-429121/7
Matrix: Solid
Analysis Batch: 429121

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			80.0	68.1		ug/Kg		85	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*60 - 124*
Dibromofluoromethane (Surr)	*95*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: LCSD 180-429121/8
Matrix: Solid
Analysis Batch: 429121

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	83.5	*+	ug/Kg		209	23 - 170	30	35
Benzene			40.0	33.0		ug/Kg		83	77 - 120	1	20
Bromoform			40.0	33.6		ug/Kg		84	37 - 147	7	23
Bromomethane			40.0	25.3		ug/Kg		63	47 - 149	5	25
2-Butanone (MEK)			40.0	62.8		ug/Kg		157	39 - 157	28	33
Carbon disulfide			40.0	30.8		ug/Kg		77	40 - 156	3	25
Carbon tetrachloride			40.0	30.8		ug/Kg		77	73 - 130	4	21
Chlorobenzene			40.0	35.0		ug/Kg		88	79 - 122	1	20
Chlorobromomethane			40.0	33.4		ug/Kg		84	64 - 128	6	20
Chlorodibromomethane			40.0	31.1		ug/Kg		78	60 - 134	6	40
Chloroethane			40.0	30.4		ug/Kg		76	37 - 159	4	25
Chloroform			40.0	29.1		ug/Kg		73	73 - 126	1	20
Chloromethane			40.0	24.4		ug/Kg		61	46 - 151	8	33
cis-1,2-Dichloroethene			40.0	33.2		ug/Kg		83	77 - 118	6	20
cis-1,3-Dichloropropene			40.0	33.3		ug/Kg		83	73 - 127	0	20
Cyclohexane			40.0	31.3		ug/Kg		78	63 - 143	2	25
1,2-Dibromo-3-Chloropropane			40.0	44.7		ug/Kg		112	30 - 163	2	34
1,2-Dibromoethane			40.0	38.0		ug/Kg		95	59 - 137	7	20
1,2-Dichlorobenzene			40.0	34.0		ug/Kg		85	76 - 120	0	20
1,3-Dichlorobenzene			40.0	36.2		ug/Kg		91	77 - 121	1	20
1,4-Dichlorobenzene			40.0	35.5		ug/Kg		89	79 - 120	1	20
Dichlorobromomethane			40.0	27.7	*-	ug/Kg		69	75 - 123	2	20
Dichlorodifluoromethane			40.0	24.8		ug/Kg		62	26 - 149	3	24
1,1-Dichloroethane			40.0	31.6		ug/Kg		79	73 - 124	1	20
1,2-Dichloroethane			40.0	31.0		ug/Kg		77	64 - 140	9	20
1,1-Dichloroethene			40.0	33.4		ug/Kg		83	55 - 136	1	21
1,2-Dichloroethene, Total			80.0	67.4		ug/Kg		84	77 - 119	3	20
1,2-Dichloropropane			40.0	31.5		ug/Kg		79	77 - 119	2	20
1,4-Dioxane			800	1380	*+ *1	ug/Kg		172	18 - 166	41	40
Ethylbenzene			40.0	34.6		ug/Kg		86	79 - 119	1	20
2-Hexanone			40.0	57.7		ug/Kg		144	42 - 152	18	30
Isopropylbenzene			40.0	33.7		ug/Kg		84	70 - 125	4	21
Methyl acetate			80.0	83.6		ug/Kg		105	20 - 170	29	33
Methylcyclohexane			40.0	34.7		ug/Kg		87	70 - 125	4	22
Methylene Chloride			40.0	28.9		ug/Kg		72	67 - 131	6	32

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

Lab Sample ID: LCSD 180-429121/8
Matrix: Solid
Analysis Batch: 429121

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			40.0	42.9		ug/Kg		107	51 - 147	25	27
Methyl tert-butyl ether			40.0	31.9		ug/Kg		80	58 - 132	8	24
m-Xylene & p-Xylene			40.0	35.2		ug/Kg		88	77 - 120	1	20
o-Xylene			40.0	34.1		ug/Kg		85	78 - 118	2	20
Styrene			40.0	34.5		ug/Kg		86	80 - 120	2	20
1,1,2,2-Tetrachloroethane			40.0	36.9		ug/Kg		92	36 - 170	15	23
Tetrachloroethene			40.0	39.4		ug/Kg		98	71 - 121	2	21
Toluene			40.0	36.7		ug/Kg		92	76 - 120	0	20
trans-1,2-Dichloroethene			40.0	34.2		ug/Kg		85	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	33.7		ug/Kg		84	68 - 133	2	20
1,2,3-Trichlorobenzene			40.0	34.1		ug/Kg		85	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	33.6		ug/Kg		84	22 - 170	0	29
1,1,1-Trichloroethane			40.0	31.2		ug/Kg		78	72 - 134	3	20
1,1,2-Trichloroethane			40.0	36.4		ug/Kg		91	66 - 128	5	21
Trichloroethene			40.0	34.3		ug/Kg		86	69 - 118	1	20
Trichlorofluoromethane			40.0	27.4		ug/Kg		68	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	28.9		ug/Kg		72	59 - 135	2	28
Vinyl chloride			40.0	26.8		ug/Kg		67	64 - 134	4	23
Xylenes, Total			80.0	69.3		ug/Kg		87	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

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

Lab Sample ID: MB 180-429331/1-A
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Acenaphthylene	ND		67	15	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Acetophenone	ND		670	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Anthracene	ND		67	17	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Atrazine	ND		670	150	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Benzaldehyde	ND		670	41	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Benzo[a]anthracene	ND		67	30	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Benzo[a]pyrene	ND		67	29	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
1,1'-Biphenyl	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		03/15/23 16:57	03/16/23 11:12	1

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

Lab Sample ID: MB 180-429331/1-A
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Caprolactam	ND		1700	220	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Carbazole	ND		67	16	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
4-Chloroaniline	ND		330	88	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2-Chloronaphthalene	ND		67	15	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2-Chlorophenol	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Chrysene	ND		67	37	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Dibenzofuran	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Diethyl phthalate	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Dimethyl phthalate	ND		330	130	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
1,4-Dioxane	ND		670	100	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Fluoranthene	ND		67	18	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Fluorene	ND		67	13	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Hexachlorobenzene	ND		67	24	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Hexachlorobutadiene	ND		67	20	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Hexachloroethane	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Isophorone	ND		330	130	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2-Methylnaphthalene	ND		67	16	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2-Methylphenol	ND		330	96	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Naphthalene	ND		67	13	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2-Nitroaniline	ND		1700	150	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
3-Nitroaniline	ND		1700	85	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
4-Nitroaniline	ND		1700	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Nitrobenzene	ND		670	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2-Nitrophenol	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
4-Nitrophenol	ND		1700	230	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Pentachlorophenol	ND		1700	540	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Phenanthrene	ND		67	18	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Phenol	ND		330	100	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
Pyrene	ND		67	16	ug/Kg		03/15/23 16:57	03/16/23 11:12	1

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

Lab Sample ID: MB 180-429331/1-A
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		03/15/23 16:57	03/16/23 11:12	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		03/15/23 16:57	03/16/23 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*03/15/23 16:57*	*03/16/23 11:12*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*03/15/23 16:57*	*03/16/23 11:12*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*03/15/23 16:57*	*03/16/23 11:12*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*03/15/23 16:57*	*03/16/23 11:12*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*03/15/23 16:57*	*03/16/23 11:12*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*03/15/23 16:57*	*03/16/23 11:12*	*1*

Lab Sample ID: LCS 180-429331/2-A
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	6020		ug/Kg		90	50 - 100
Acenaphthylene	6670	5850		ug/Kg		88	52 - 100
Acetophenone	6670	5070		ug/Kg		76	48 - 100
Anthracene	6670	6170		ug/Kg		93	53 - 100
Atrazine	6670	5210		ug/Kg		78	49 - 103
Benzaldehyde	6670	5640		ug/Kg		85	23 - 105
Benzo[a]anthracene	6670	5920		ug/Kg		89	51 - 100
Benzo[a]pyrene	6670	5970		ug/Kg		90	51 - 100
Benzo[b]fluoranthene	6670	5600		ug/Kg		84	48 - 100
Benzo[g,h,i]perylene	6670	5020		ug/Kg		75	48 - 105
Benzo[k]fluoranthene	6670	5730		ug/Kg		86	19 - 100
1,1'-Biphenyl	6670	5650		ug/Kg		85	50 - 100
Bis(2-chloroethoxy)methane	6670	5190		ug/Kg		78	49 - 100
Bis(2-chloroethyl)ether	6670	5250		ug/Kg		79	48 - 100
Bis(2-ethylhexyl) phthalate	6670	7200	*+	ug/Kg		108	53 - 107
4-Bromophenyl phenyl ether	6670	6060		ug/Kg		91	52 - 101
Butyl benzyl phthalate	6670	7120		ug/Kg		107	52 - 107
Caprolactam	6670	6360		ug/Kg		95	48 - 111
Carbazole	6670	5960		ug/Kg		89	53 - 100
4-Chloroaniline	6670	5400		ug/Kg		81	47 - 100
4-Chloro-3-methylphenol	6670	6280		ug/Kg		94	49 - 106
2-Chloronaphthalene	6670	5370		ug/Kg		81	51 - 100
2-Chlorophenol	6670	5710		ug/Kg		86	51 - 100
4-Chlorophenyl phenyl ether	6670	5790		ug/Kg		87	52 - 100
Chrysene	6670	5560		ug/Kg		83	50 - 100
Dibenz(a,h)anthracene	6670	5060		ug/Kg		76	50 - 107
Dibenzofuran	6670	5610		ug/Kg		84	52 - 100
3,3'-Dichlorobenzidine	6670	5780		ug/Kg		87	43 - 100
2,4-Dichlorophenol	6670	5800		ug/Kg		87	53 - 101
Diethyl phthalate	6670	5780		ug/Kg		87	48 - 104

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

Lab Sample ID: LCS 180-429331/2-A
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	6670	6350		ug/Kg		95	51 - 101
Dimethyl phthalate	6670	6020		ug/Kg		90	53 - 100
Di-n-butyl phthalate	6670	6550		ug/Kg		98	57 - 102
4,6-Dinitro-2-methylphenol	13300	11600		ug/Kg		87	51 - 100
2,4-Dinitrophenol	13300	10600		ug/Kg		80	33 - 101
2,4-Dinitrotoluene	6670	6160		ug/Kg		92	54 - 104
2,6-Dinitrotoluene	6670	6000		ug/Kg		90	51 - 106
Di-n-octyl phthalate	6670	8110	*+	ug/Kg		122	41 - 106
1,4-Dioxane	6670	7340		ug/Kg		110	25 - 125
Fluoranthene	6670	6060		ug/Kg		91	55 - 100
Fluorene	6670	5950		ug/Kg		89	52 - 100
Hexachlorobenzene	6670	5590		ug/Kg		84	49 - 100
Hexachlorobutadiene	6670	5520		ug/Kg		83	38 - 107
Hexachlorocyclopentadiene	6670	5730		ug/Kg		86	33 - 117
Hexachloroethane	6670	5570		ug/Kg		83	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5290		ug/Kg		79	51 - 103
Isophorone	6670	6340		ug/Kg		95	48 - 105
2-Methylnaphthalene	6670	5690		ug/Kg		85	53 - 100
2-Methylphenol	6670	5570		ug/Kg		84	50 - 101
Methylphenol, 3 & 4	6670	5480		ug/Kg		82	50 - 103
Naphthalene	6670	5670		ug/Kg		85	51 - 100
2-Nitroaniline	6670	7650		ug/Kg		115	42 - 123
3-Nitroaniline	6670	5890		ug/Kg		88	50 - 103
4-Nitroaniline	6670	6080		ug/Kg		91	52 - 103
Nitrobenzene	6670	6610		ug/Kg		99	44 - 108
2-Nitrophenol	6670	6530		ug/Kg		98	55 - 107
4-Nitrophenol	13300	15100		ug/Kg		113	30 - 134
N-Nitrosodi-n-propylamine	6670	6250		ug/Kg		94	45 - 107
N-Nitrosodiphenylamine	6670	5900		ug/Kg		89	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5140		ug/Kg		77	30 - 113
Pentachlorophenol	13300	12100		ug/Kg		91	42 - 110
Phenanthrene	6670	5790		ug/Kg		87	53 - 100
Phenol	6670	5470		ug/Kg		82	49 - 100
Pyrene	6670	5960		ug/Kg		89	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5640		ug/Kg		85	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5760		ug/Kg		86	47 - 104
2,4,5-Trichlorophenol	6670	5690		ug/Kg		85	50 - 104
2,4,6-Trichlorophenol	6670	5860		ug/Kg		88	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*44 - 105*
2-Fluorophenol (Surr)	*94*		*48 - 105*
Nitrobenzene-d5 (Surr)	*97*		*46 - 105*
Phenol-d5 (Surr)	*82*		*46 - 105*
Terphenyl-d14 (Surr)	*86*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*

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

Lab Sample ID: 180-153349-11 MS
Client Sample ID: SSHS-IRM5A2-HR-B14
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 429364
Prep Batch: 429331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		6800	4870		ug/Kg	☼	72	50 - 100
Acenaphthylene	ND		6800	4710		ug/Kg	☼	69	52 - 100
Acetophenone	ND		6800	4000		ug/Kg	☼	59	48 - 100
Anthracene	ND		6800	4940		ug/Kg	☼	73	53 - 100
Atrazine	ND		6800	4170		ug/Kg	☼	61	49 - 103
Benzaldehyde	ND		6800	6210		ug/Kg	☼	91	23 - 105
Benzo[a]anthracene	ND		6800	4710		ug/Kg	☼	69	51 - 100
Benzo[a]pyrene	ND		6800	4820		ug/Kg	☼	71	51 - 100
Benzo[b]fluoranthene	ND		6800	4440		ug/Kg	☼	65	48 - 100
Benzo[g,h,i]perylene	ND		6800	4370		ug/Kg	☼	64	48 - 105
Benzo[k]fluoranthene	ND		6800	4570		ug/Kg	☼	67	19 - 100
1,1'-Biphenyl	ND		6800	4700		ug/Kg	☼	69	50 - 100
Bis(2-chloroethoxy)methane	ND		6800	4170		ug/Kg	☼	61	49 - 100
Bis(2-chloroethyl)ether	ND		6800	4210		ug/Kg	☼	62	48 - 100
Bis(2-ethylhexyl) phthalate	ND	*+	6800	5480		ug/Kg	☼	81	53 - 107
4-Bromophenyl phenyl ether	ND		6800	4880		ug/Kg	☼	72	52 - 101
Butyl benzyl phthalate	ND		6800	5460		ug/Kg	☼	80	52 - 107
Caprolactam	ND		6800	4470		ug/Kg	☼	66	48 - 111
Carbazole	ND		6800	4760		ug/Kg	☼	70	53 - 100
4-Chloroaniline	ND		6800	4220		ug/Kg	☼	62	47 - 100
4-Chloro-3-methylphenol	ND		6800	5170		ug/Kg	☼	76	49 - 106
2-Chloronaphthalene	ND		6800	4490		ug/Kg	☼	66	51 - 100
2-Chlorophenol	ND		6800	4590		ug/Kg	☼	67	51 - 100
4-Chlorophenyl phenyl ether	ND		6800	4770		ug/Kg	☼	70	52 - 100
Chrysene	ND		6800	4380		ug/Kg	☼	64	50 - 100
Dibenz(a,h)anthracene	ND		6800	4560		ug/Kg	☼	67	50 - 107
Dibenzofuran	ND		6800	4620		ug/Kg	☼	68	52 - 100
3,3'-Dichlorobenzidine	ND		6800	4280		ug/Kg	☼	63	43 - 100
2,4-Dichlorophenol	ND		6800	4650		ug/Kg	☼	68	53 - 101
Diethyl phthalate	ND		6800	4860		ug/Kg	☼	71	48 - 104
2,4-Dimethylphenol	ND		6800	4730		ug/Kg	☼	70	51 - 101
Dimethyl phthalate	ND		6800	4830		ug/Kg	☼	71	53 - 100
Di-n-butyl phthalate	ND		6800	5250		ug/Kg	☼	77	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	13600	5040	F1	ug/Kg	☼	37	51 - 100
2,4-Dinitrophenol	ND	F1	13600	ND	F1	ug/Kg	☼	0	33 - 101
2,4-Dinitrotoluene	ND		6800	5100		ug/Kg	☼	75	54 - 104
2,6-Dinitrotoluene	ND		6800	4980		ug/Kg	☼	73	51 - 106
Di-n-octyl phthalate	ND	*+	6800	6490		ug/Kg	☼	95	41 - 106
1,4-Dioxane	ND		6800	4390		ug/Kg	☼	65	25 - 125
Fluoranthene	ND		6800	4850		ug/Kg	☼	71	55 - 100
Fluorene	ND		6800	4810		ug/Kg	☼	71	52 - 100
Hexachlorobenzene	ND		6800	4520		ug/Kg	☼	66	49 - 100
Hexachlorobutadiene	ND		6800	4560		ug/Kg	☼	67	38 - 107
Hexachlorocyclopentadiene	ND		6800	4340		ug/Kg	☼	64	33 - 117
Hexachloroethane	ND		6800	4310		ug/Kg	☼	63	47 - 100
Indeno[1,2,3-cd]pyrene	ND		6800	4560		ug/Kg	☼	67	51 - 103
Isophorone	ND		6800	5160		ug/Kg	☼	76	48 - 105
2-Methylnaphthalene	ND		6800	4620		ug/Kg	☼	68	53 - 100

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

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	ND		6800	4210		ug/Kg	☼	62	50 - 101
Methylphenol, 3 & 4	ND		6800	4460		ug/Kg	☼	66	50 - 103
Naphthalene	ND		6800	4620		ug/Kg	☼	68	51 - 100
2-Nitroaniline	ND		6800	6210		ug/Kg	☼	91	42 - 123
3-Nitroaniline	ND		6800	4380		ug/Kg	☼	64	50 - 103
4-Nitroaniline	ND		6800	4360		ug/Kg	☼	64	52 - 103
Nitrobenzene	ND		6800	5390		ug/Kg	☼	79	44 - 108
2-Nitrophenol	ND		6800	5100		ug/Kg	☼	75	55 - 107
4-Nitrophenol	ND		13600	12000		ug/Kg	☼	88	30 - 134
N-Nitrosodi-n-propylamine	ND		6800	4990		ug/Kg	☼	73	45 - 107
N-Nitrosodiphenylamine	ND		6800	4670		ug/Kg	☼	69	52 - 100
2,2'-oxybis[1-chloropropane]	ND		6800	4090		ug/Kg	☼	60	30 - 113
Pentachlorophenol	ND		13600	6760		ug/Kg	☼	50	42 - 110
Phenanthrene	ND		6800	4520		ug/Kg	☼	66	53 - 100
Phenol	ND		6800	4320		ug/Kg	☼	64	49 - 100
Pyrene	ND		6800	4710		ug/Kg	☼	69	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		6800	4670		ug/Kg	☼	69	41 - 104
2,3,4,6-Tetrachlorophenol	ND		6800	4250		ug/Kg	☼	62	47 - 104
2,4,5-Trichlorophenol	ND		6800	4380		ug/Kg	☼	64	50 - 104
2,4,6-Trichlorophenol	ND		6800	4600		ug/Kg	☼	68	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*44 - 105*
2-Fluorophenol (Surr)	*72*		*48 - 105*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*
Phenol-d5 (Surr)	*64*		*46 - 105*
Terphenyl-d14 (Surr)	*65*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		6800	4360		ug/Kg	☼	64	50 - 100	11	20
Acenaphthylene	ND		6800	4270		ug/Kg	☼	63	52 - 100	10	20
Acetophenone	ND		6800	3700		ug/Kg	☼	54	48 - 100	8	17
Anthracene	ND		6800	4500		ug/Kg	☼	66	53 - 100	9	20
Atrazine	ND		6800	3860		ug/Kg	☼	57	49 - 103	8	19
Benzaldehyde	ND		6800	5690		ug/Kg	☼	84	23 - 105	9	31
Benzo[a]anthracene	ND		6800	4390		ug/Kg	☼	64	51 - 100	7	21
Benzo[a]pyrene	ND		6800	4400		ug/Kg	☼	65	51 - 100	9	20
Benzo[b]fluoranthene	ND		6800	4220		ug/Kg	☼	62	48 - 100	5	20
Benzo[g,h,i]perylene	ND		6800	3940		ug/Kg	☼	58	48 - 105	10	19
Benzo[k]fluoranthene	ND		6800	4320		ug/Kg	☼	64	19 - 100	5	20
1,1'-Biphenyl	ND		6800	4260		ug/Kg	☼	63	50 - 100	10	19
Bis(2-chloroethoxy)methane	ND		6800	3670		ug/Kg	☼	54	49 - 100	13	20
Bis(2-chloroethyl)ether	ND		6800	3730		ug/Kg	☼	55	48 - 100	12	18

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

Lab Sample ID: 180-153349-11 MSD
Client Sample ID: SSHS-IRM5A2-HR-B14
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 429364
Prep Batch: 429331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	ND	*+	6800	5070		ug/Kg	☼	75	53 - 107	8	20
4-Bromophenyl phenyl ether	ND		6800	4650		ug/Kg	☼	68	52 - 101	5	20
Butyl benzyl phthalate	ND		6800	5110		ug/Kg	☼	75	52 - 107	7	19
Caprolactam	ND		6800	3960		ug/Kg	☼	58	48 - 111	12	23
Carbazole	ND		6800	4400		ug/Kg	☼	65	53 - 100	8	20
4-Chloroaniline	ND		6800	3730		ug/Kg	☼	55	47 - 100	12	20
4-Chloro-3-methylphenol	ND		6800	4470		ug/Kg	☼	66	49 - 106	14	20
2-Chloronaphthalene	ND		6800	4100		ug/Kg	☼	60	51 - 100	9	20
2-Chlorophenol	ND		6800	4160		ug/Kg	☼	61	51 - 100	10	17
4-Chlorophenyl phenyl ether	ND		6800	4300		ug/Kg	☼	63	52 - 100	10	19
Chrysene	ND		6800	4090		ug/Kg	☼	60	50 - 100	7	20
Dibenz(a,h)anthracene	ND		6800	4190		ug/Kg	☼	62	50 - 107	8	21
Dibenzofuran	ND		6800	4110		ug/Kg	☼	60	52 - 100	12	19
3,3'-Dichlorobenzidine	ND		6800	3910		ug/Kg	☼	58	43 - 100	9	19
2,4-Dichlorophenol	ND		6800	4130		ug/Kg	☼	61	53 - 101	12	22
Diethyl phthalate	ND		6800	4310		ug/Kg	☼	63	48 - 104	12	20
2,4-Dimethylphenol	ND		6800	4270		ug/Kg	☼	63	51 - 101	10	32
Dimethyl phthalate	ND		6800	4270		ug/Kg	☼	63	53 - 100	12	21
Di-n-butyl phthalate	ND		6800	4760		ug/Kg	☼	70	57 - 102	10	20
4,6-Dinitro-2-methylphenol	ND	F1	13600	4480	F1	ug/Kg	☼	33	51 - 100	12	22
2,4-Dinitrophenol	ND	F1	13600	ND	F1	ug/Kg	☼	0	33 - 101	NC	20
2,4-Dinitrotoluene	ND		6800	4470		ug/Kg	☼	66	54 - 104	13	20
2,6-Dinitrotoluene	ND		6800	4450		ug/Kg	☼	65	51 - 106	11	20
Di-n-octyl phthalate	ND	*+	6800	5790		ug/Kg	☼	85	41 - 106	11	18
1,4-Dioxane	ND		6800	3980		ug/Kg	☼	59	25 - 125	10	17
Fluoranthene	ND		6800	4400		ug/Kg	☼	65	55 - 100	10	20
Fluorene	ND		6800	4230		ug/Kg	☼	62	52 - 100	13	19
Hexachlorobenzene	ND		6800	4160		ug/Kg	☼	61	49 - 100	8	20
Hexachlorobutadiene	ND		6800	4100		ug/Kg	☼	60	38 - 107	11	22
Hexachlorocyclopentadiene	ND		6800	3950		ug/Kg	☼	58	33 - 117	9	19
Hexachloroethane	ND		6800	3920		ug/Kg	☼	58	47 - 100	10	17
Indeno[1,2,3-cd]pyrene	ND		6800	4170		ug/Kg	☼	61	51 - 103	9	19
Isophorone	ND		6800	4720		ug/Kg	☼	69	48 - 105	9	20
2-Methylnaphthalene	ND		6800	4150		ug/Kg	☼	61	53 - 100	11	21
2-Methylphenol	ND		6800	3890		ug/Kg	☼	57	50 - 101	8	17
Methylphenol, 3 & 4	ND		6800	3910		ug/Kg	☼	58	50 - 103	13	19
Naphthalene	ND		6800	4120		ug/Kg	☼	61	51 - 100	12	20
2-Nitroaniline	ND		6800	5770		ug/Kg	☼	85	42 - 123	7	19
3-Nitroaniline	ND		6800	3960		ug/Kg	☼	58	50 - 103	10	20
4-Nitroaniline	ND		6800	3870		ug/Kg	☼	57	52 - 103	12	18
Nitrobenzene	ND		6800	4730		ug/Kg	☼	70	44 - 108	13	21
2-Nitrophenol	ND		6800	4570		ug/Kg	☼	67	55 - 107	11	19
4-Nitrophenol	ND		13600	10600		ug/Kg	☼	78	30 - 134	12	18
N-Nitrosodi-n-propylamine	ND		6800	4410		ug/Kg	☼	65	45 - 107	12	18
N-Nitrosodiphenylamine	ND		6800	4330		ug/Kg	☼	64	52 - 100	8	20
2,2'-oxybis[1-chloropropane]	ND		6800	3630		ug/Kg	☼	53	30 - 113	12	17
Pentachlorophenol	ND		13600	6100		ug/Kg	☼	45	42 - 110	10	20
Phenanthrene	ND		6800	4230		ug/Kg	☼	62	53 - 100	7	20
Phenol	ND		6800	3940		ug/Kg	☼	58	49 - 100	9	16

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

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 429364

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	ND		6800	4490		ug/Kg	☼	66	52 - 100	5	20
1,2,4,5-Tetrachlorobenzene	ND		6800	4240		ug/Kg	☼	62	41 - 104	10	21
2,3,4,6-Tetrachlorophenol	ND		6800	3870		ug/Kg	☼	57	47 - 104	9	18
2,4,5-Trichlorophenol	ND		6800	4010		ug/Kg	☼	59	50 - 104	9	21
2,4,6-Trichlorophenol	ND		6800	4090		ug/Kg	☼	60	50 - 105	12	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*44 - 105*
2-Fluorophenol (Surr)	*65*		*48 - 105*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*
Phenol-d5 (Surr)	*58*		*46 - 105*
Terphenyl-d14 (Surr)	*63*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*

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

Lab Sample ID: MB 180-429054/1-C
Matrix: Solid
Analysis Batch: 429072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1221	ND		17	5.9	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1232	ND		17	4.1	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1242	ND		17	2.4	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1248	ND		17	4.0	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1254	ND		17	5.0	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1260	ND		17	4.7	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1262	ND		17	5.9	ug/Kg		03/13/23 16:51	03/14/23 13:25	1
PCB-1268	ND		17	2.2	ug/Kg		03/13/23 16:51	03/14/23 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/13/23 16:51*	*03/14/23 13:25*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/13/23 16:51*	*03/14/23 13:25*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*03/13/23 16:51*	*03/14/23 13:25*	*1*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*	*03/13/23 16:51*	*03/14/23 13:25*	*1*

Lab Sample ID: LCS 180-429054/2-C
Matrix: Solid
Analysis Batch: 429072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429054

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1410		ug/Kg		106	43 - 136		
PCB-1260			1330	1460		ug/Kg		110	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*

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

Lab Sample ID: LCS 180-429054/2-C
Matrix: Solid
Analysis Batch: 429072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429054

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 429072

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1350	1320		ug/Kg	☼	98	43 - 136
PCB-1260	ND		1350	1340		ug/Kg	☼	99	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 429072

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1400	1280		ug/Kg	☼	92	43 - 136	3	40
PCB-1260	ND		1400	1320		ug/Kg	☼	95	55 - 128	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-429388/1-A
Matrix: Solid
Analysis Batch: 430516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Antimony	ND		1.0	0.30	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Arsenic	ND		1.0	0.63	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Barium	ND		20	3.6	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Beryllium	ND		0.40	0.11	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Cadmium	ND		0.50	0.073	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Calcium	ND		500	65	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Chromium	ND		0.50	0.46	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Cobalt	ND		5.0	0.70	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Copper	ND		2.5	1.5	mg/Kg		03/16/23 09:34	03/27/23 14:47	1

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

Lab Sample ID: MB 180-429388/1-A
Matrix: Solid
Analysis Batch: 430516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		10	9.7	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Lead	ND		1.0	0.87	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Magnesium	ND		500	55	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Manganese	ND		1.5	0.28	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Nickel	ND		4.0	0.50	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Potassium	ND		500	85	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Selenium	ND	^+	1.0	0.46	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Silver	ND		0.50	0.10	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Sodium	ND		500	51	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Thallium	ND		2.0	0.28	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Vanadium	ND		5.0	0.79	mg/Kg		03/16/23 09:34	03/27/23 14:47	1
Zinc	2.54		2.0	1.5	mg/Kg		03/16/23 09:34	03/27/23 14:47	1

Lab Sample ID: LCS 180-429388/2-A
Matrix: Solid
Analysis Batch: 430516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	468		mg/Kg		94	80 - 120
Antimony	25.0	24.6		mg/Kg		98	80 - 120
Arsenic	100	98.7		mg/Kg		99	80 - 120
Barium	100	96.7		mg/Kg		97	80 - 120
Beryllium	50.0	47.8		mg/Kg		96	80 - 120
Cadmium	50.0	48.1		mg/Kg		96	80 - 120
Calcium	2500	2380		mg/Kg		95	80 - 120
Chromium	50.0	47.1		mg/Kg		94	80 - 120
Cobalt	50.0	47.5		mg/Kg		95	80 - 120
Copper	50.0	49.3		mg/Kg		99	80 - 120
Iron	500	487		mg/Kg		97	80 - 120
Lead	50.0	46.2		mg/Kg		92	80 - 120
Magnesium	2500	2320		mg/Kg		93	80 - 120
Manganese	50.0	48.1		mg/Kg		96	80 - 120
Nickel	50.0	48.0		mg/Kg		96	80 - 120
Potassium	2500	2270		mg/Kg		91	80 - 120
Selenium	100	101	^+	mg/Kg		101	80 - 120
Silver	25.0	23.6		mg/Kg		94	80 - 120
Sodium	2500	2310		mg/Kg		93	80 - 120
Thallium	100	93.2		mg/Kg		93	80 - 120
Vanadium	50.0	46.1		mg/Kg		92	80 - 120
Zinc	25.0	25.0		mg/Kg		100	80 - 120

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 430516

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6200		467	9780	4	mg/Kg	☼	758	75 - 125
Antimony	ND	F1	23.4	9.80	F1	mg/Kg	☼	42	75 - 125
Arsenic	8.5		93.5	79.8		mg/Kg	☼	76	75 - 125

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

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 430516

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	49		93.5	148		mg/Kg	☼	106	75 - 125
Beryllium	0.28	J F1	46.7	33.3	F1	mg/Kg	☼	71	75 - 125
Cadmium	ND	F1	46.7	34.6	F1	mg/Kg	☼	74	75 - 125
Calcium	1700	F2 F1	2340	5580	F1	mg/Kg	☼	164	75 - 125
Chromium	8.1	F1	46.7	45.0		mg/Kg	☼	79	75 - 125
Cobalt	7.0		46.7	45.9		mg/Kg	☼	83	75 - 125
Copper	12		46.7	56.0		mg/Kg	☼	95	75 - 125
Iron	17000		467	24400	4	mg/Kg	☼	1638	75 - 125
Lead	9.7		46.7	46.5		mg/Kg	☼	79	75 - 125
Magnesium	2200		2340	4960		mg/Kg	☼	118	75 - 125
Manganese	270		46.7	501	4	mg/Kg	☼	485	75 - 125
Nickel	14		46.7	57.6		mg/Kg	☼	93	75 - 125
Potassium	410	F1	2340	2060	F1	mg/Kg	☼	71	75 - 125
Selenium	ND		93.5	70.8		mg/Kg	☼	76	75 - 125
Silver	ND	F1	23.4	17.3	F1	mg/Kg	☼	74	75 - 125
Sodium	ND	F1	2340	1680	F1	mg/Kg	☼	72	75 - 125
Thallium	ND	F1	93.5	69.6	F1	mg/Kg	☼	74	75 - 125
Vanadium	8.6		46.7	45.4		mg/Kg	☼	79	75 - 125
Zinc	37	F1 B	23.4	70.7	F1	mg/Kg	☼	146	75 - 125

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 430516

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	6200		485	9060	4	mg/Kg	☼	584	75 - 125	8	20
Antimony	ND	F1	24.2	9.86	F1	mg/Kg	☼	41	75 - 125	1	20
Arsenic	8.5		97.0	84.4		mg/Kg	☼	78	75 - 125	6	20
Barium	49		97.0	152		mg/Kg	☼	107	75 - 125	3	20
Beryllium	0.28	J F1	48.5	33.4	F1	mg/Kg	☼	68	75 - 125	0	20
Cadmium	ND	F1	48.5	36.2		mg/Kg	☼	75	75 - 125	5	20
Calcium	1700	F2 F1	2420	8510	F1 F2	mg/Kg	☼	279	75 - 125	42	20
Chromium	8.1	F1	48.5	43.7	F1	mg/Kg	☼	74	75 - 125	3	20
Cobalt	7.0		48.5	46.5		mg/Kg	☼	81	75 - 125	1	20
Copper	12		48.5	53.5		mg/Kg	☼	86	75 - 125	5	20
Iron	17000		485	26500	4	mg/Kg	☼	2023	75 - 125	8	20
Lead	9.7		48.5	47.3		mg/Kg	☼	78	75 - 125	2	20
Magnesium	2200		2420	4630		mg/Kg	☼	100	75 - 125	7	20
Manganese	270		48.5	600	4	mg/Kg	☼	672	75 - 125	18	20
Nickel	14		48.5	57.5		mg/Kg	☼	89	75 - 125	0	20
Potassium	410	F1	2420	2050	F1	mg/Kg	☼	68	75 - 125	1	20
Selenium	ND		97.0	73.3		mg/Kg	☼	76	75 - 125	4	20
Silver	ND	F1	24.2	18.0	F1	mg/Kg	☼	74	75 - 125	4	20
Sodium	ND	F1	2420	1710	F1	mg/Kg	☼	70	75 - 125	2	20
Thallium	ND	F1	97.0	73.7		mg/Kg	☼	76	75 - 125	6	20
Vanadium	8.6		48.5	48.0		mg/Kg	☼	81	75 - 125	6	20
Zinc	37	F1 B	24.2	72.8	F1	mg/Kg	☼	149	75 - 125	3	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-429315/1-A
Matrix: Solid
Analysis Batch: 429602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 429315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		03/16/23 12:15	03/17/23 11:23	1

Lab Sample ID: LCS 180-429315/2-A
Matrix: Solid
Analysis Batch: 429602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 429315

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.372		mg/Kg		89	80 - 120		

Lab Sample ID: 180-153349-11 MS
Matrix: Solid
Analysis Batch: 429602

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429315

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.147	0.138		mg/Kg	☼	94	80 - 120		

Lab Sample ID: 180-153349-11 MSD
Matrix: Solid
Analysis Batch: 429602

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA
Prep Batch: 429315

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.136	0.124		mg/Kg	☼	91	80 - 120	11	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-153349-11 DU
Matrix: Solid
Analysis Batch: 428997

Client Sample ID: SSHS-IRM5A2-HR-B14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	4.5			4.4		%				1	10
Percent Solids	95.5			95.6		%				0.06	10

GC/MS VOA

Analysis Batch: 428928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	EPA 8260C	428947
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	EPA 8260C	428947
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	EPA 8260C	428947
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	EPA 8260C	428947
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	EPA 8260C	428947
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	EPA 8260C	428947
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	EPA 8260C	428947
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	EPA 8260C	428947
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	EPA 8260C	428947
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	EPA 8260C	428947
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8260C	428947
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	EPA 8260C	428947
MB 180-428928/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-428928/7	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8260C	428947
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8260C	428947

Prep Batch: 428947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	5035	
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	5035	
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	5035	
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	5035	
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	5035	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	5035	
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	5035	
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	5035	
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	5035	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	5035	
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	5035	
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	5035	
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	5035	
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	5035	
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	5035	

Analysis Batch: 429121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	EPA 8260C	429164
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	EPA 8260C	429164
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	EPA 8260C	429164
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	EPA 8260C	429164
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	EPA 8260C	429164
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	EPA 8260C	429164
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	EPA 8260C	429164
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	EPA 8260C	428947
MB 180-429121/11	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-429121/7	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-429121/8	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-153349-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Prep Batch: 429164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	5035	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	5035	
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	5035	
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	5035	
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	5035	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	5035	
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 429331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	3541	
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	3541	
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	3541	
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	3541	
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	3541	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	3541	
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	3541	
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	3541	
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	3541	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	3541	
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3541	
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	3541	
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	3541	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	3541	
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	3541	
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	3541	
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	3541	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	3541	
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	3541	
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	3541	
MB 180-429331/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-429331/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3541	
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3541	

Analysis Batch: 429364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	EPA 8270D	429331
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	EPA 8270D	429331
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	EPA 8270D	429331
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	EPA 8270D	429331
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	EPA 8270D	429331
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	EPA 8270D	429331
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	EPA 8270D	429331
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	EPA 8270D	429331
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	EPA 8270D	429331
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	EPA 8270D	429331
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8270D	429331
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	EPA 8270D	429331

GC/MS Semi VOA (Continued)

Analysis Batch: 429364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	EPA 8270D	429331
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	EPA 8270D	429331
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	EPA 8270D	429331
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	EPA 8270D	429331
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	EPA 8270D	429331
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	EPA 8270D	429331
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	EPA 8270D	429331
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	EPA 8270D	429331
MB 180-429331/1-A	Method Blank	Total/NA	Solid	EPA 8270D	429331
LCS 180-429331/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	429331
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8270D	429331
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8270D	429331

GC Semi VOA

Prep Batch: 429054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	3541	
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	3541	
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	3541	
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	3541	
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	3541	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	3541	
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	3541	
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	3541	
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	3541	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	3541	
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3541	
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	3541	
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	3541	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	3541	
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	3541	
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	3541	
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	3541	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	3541	
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	3541	
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	3541	
MB 180-429054/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-429054/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3541	
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3541	

Cleanup Batch: 429057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	3665A	429054
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	3665A	429054
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	3665A	429054
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	3665A	429054
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	3665A	429054
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	3665A	429054
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	3665A	429054

GC Semi VOA (Continued)

Cleanup Batch: 429057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	3665A	429054
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	3665A	429054
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	3665A	429054
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3665A	429054
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	3665A	429054
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	3665A	429054
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	3665A	429054
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	3665A	429054
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	3665A	429054
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	3665A	429054
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	3665A	429054
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	3665A	429054
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	3665A	429054
MB 180-429054/1-C	Method Blank	Total/NA	Solid	3665A	429054
LCS 180-429054/2-C	Lab Control Sample	Total/NA	Solid	3665A	429054
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3665A	429054
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3665A	429054

Cleanup Batch: 429058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	3660B	429057
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	3660B	429057
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	3660B	429057
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	3660B	429057
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	3660B	429057
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	3660B	429057
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	3660B	429057
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	3660B	429057
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	3660B	429057
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	3660B	429057
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3660B	429057
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	3660B	429057
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	3660B	429057
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	3660B	429057
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	3660B	429057
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	3660B	429057
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	3660B	429057
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	3660B	429057
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	3660B	429057
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	3660B	429057
MB 180-429054/1-C	Method Blank	Total/NA	Solid	3660B	429057
LCS 180-429054/2-C	Lab Control Sample	Total/NA	Solid	3660B	429057
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3660B	429057
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3660B	429057

Analysis Batch: 429072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	EPA 8082A	429058
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	EPA 8082A	429058
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	EPA 8082A	429058
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	EPA 8082A	429058

GC Semi VOA (Continued)

Analysis Batch: 429072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	EPA 8082A	429058
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	EPA 8082A	429058
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	EPA 8082A	429058
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	EPA 8082A	429058
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	EPA 8082A	429058
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	EPA 8082A	429058
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8082A	429058
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	EPA 8082A	429058
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	EPA 8082A	429058
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	EPA 8082A	429058
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	EPA 8082A	429058
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	EPA 8082A	429058
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	EPA 8082A	429058
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	EPA 8082A	429058
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	EPA 8082A	429058
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	EPA 8082A	429058
MB 180-429054/1-C	Method Blank	Total/NA	Solid	EPA 8082A	429058
LCS 180-429054/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	429058
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8082A	429058
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 8082A	429058

Metals

Prep Batch: 429315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	7471B	
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	7471B	
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	7471B	
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	7471B	
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	7471B	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	7471B	
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	7471B	
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	7471B	
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	7471B	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	7471B	
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	7471B	
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	7471B	
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	7471B	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	7471B	
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	7471B	
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	7471B	
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	7471B	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	7471B	
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	7471B	
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	7471B	
MB 180-429315/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-429315/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	7471B	
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	7471B	

Metals

Prep Batch: 429388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	3050B	
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	3050B	
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	3050B	
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	3050B	
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	3050B	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	3050B	
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	3050B	
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	3050B	
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	3050B	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	3050B	
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3050B	
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	3050B	
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	3050B	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	3050B	
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	3050B	
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	3050B	
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	3050B	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	3050B	
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	3050B	
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	3050B	
MB 180-429388/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-429388/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3050B	
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	3050B	

Analysis Batch: 429602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	EPA 7471B	429315
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	EPA 7471B	429315
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	EPA 7471B	429315
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	EPA 7471B	429315
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	EPA 7471B	429315
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	EPA 7471B	429315
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	EPA 7471B	429315
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	EPA 7471B	429315
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	EPA 7471B	429315
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	EPA 7471B	429315
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 7471B	429315
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	EPA 7471B	429315
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	EPA 7471B	429315
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	EPA 7471B	429315
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	EPA 7471B	429315
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	EPA 7471B	429315
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	EPA 7471B	429315
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	EPA 7471B	429315
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	EPA 7471B	429315
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	EPA 7471B	429315
MB 180-429315/1-A	Method Blank	Total/NA	Solid	EPA 7471B	429315
LCS 180-429315/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	429315
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 7471B	429315
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 7471B	429315

Metals

Analysis Batch: 430516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	EPA 6010C	429388
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	EPA 6010C	429388
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	EPA 6010C	429388
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	EPA 6010C	429388
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	EPA 6010C	429388
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	EPA 6010C	429388
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	EPA 6010C	429388
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	EPA 6010C	429388
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	EPA 6010C	429388
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	EPA 6010C	429388
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 6010C	429388
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	EPA 6010C	429388
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	EPA 6010C	429388
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	EPA 6010C	429388
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	EPA 6010C	429388
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	EPA 6010C	429388
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	EPA 6010C	429388
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	EPA 6010C	429388
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	EPA 6010C	429388
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	EPA 6010C	429388
MB 180-429388/1-A	Method Blank	Total/NA	Solid	EPA 6010C	429388
LCS 180-429388/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	429388
180-153349-11 MS	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 6010C	429388
180-153349-11 MSD	SSHS-IRM5A2-HR-B14	Total/NA	Solid	EPA 6010C	429388

Analysis Batch: 430657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	EPA 6010C	429388

General Chemistry

Analysis Batch: 428997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-1	SSHS-IRM5A2-HR-B5	Total/NA	Solid	2540G	
180-153349-2	SSHS-IRM5A2-HR-B6	Total/NA	Solid	2540G	
180-153349-3	SSHS-IRM5A2-HR-B7	Total/NA	Solid	2540G	
180-153349-4	SSHS-IRM5A2-DUP284	Total/NA	Solid	2540G	
180-153349-5	SSHS-IRM5A2-HR-B8	Total/NA	Solid	2540G	
180-153349-6	SSHS-IRM5A2-HR-B9	Total/NA	Solid	2540G	
180-153349-7	SSHS-IRM5A2-HR-B10	Total/NA	Solid	2540G	
180-153349-8	SSHS-IRM5A2-HR-B11	Total/NA	Solid	2540G	
180-153349-9	SSHS-IRM5A2-HR-B12	Total/NA	Solid	2540G	
180-153349-10	SSHS-IRM5A2-HR-B13	Total/NA	Solid	2540G	
180-153349-11	SSHS-IRM5A2-HR-B14	Total/NA	Solid	2540G	
180-153349-12	SSHS-IRM5A2-HR-B15	Total/NA	Solid	2540G	
180-153349-13	SSHS-IRM5A2-HR-B16	Total/NA	Solid	2540G	
180-153349-14	SSHS-IRM5A2-HR-B17	Total/NA	Solid	2540G	
180-153349-15	SSHS-IRM5A2-HR-B18	Total/NA	Solid	2540G	
180-153349-16	SSHS-IRM5A2-HR-B19	Total/NA	Solid	2540G	
180-153349-17	SSHS-IRM5A2-HR-B20	Total/NA	Solid	2540G	
180-153349-18	SSHS-IRM5A2-HR-B21	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 428997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-19	SSHS-IRM5A2-DUP285	Total/NA	Solid	2540G	
180-153349-11 DU	SSHS-IRM5A2-HR-B14	Total/NA	Solid	2540G	

Analysis Batch: 429004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-153349-20	SSHS-IRM5A2-HR-B22	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing Testamerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B5	3/9/23	1430	G	S	N	N	X	X	X	X	X	X							8	Terracores placed in freezer at 3-10-23 2056
SSHS-IRM5A2-HR-B6	3/9/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B7	3/9/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP284	3/9/23	–	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B8	3/9/23	1445	G	S	N	N	X	X	X	X									5	
SSHS-IRM5A2-HR-B9	3/9/23	1450	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B10	3/9/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B11	3/9/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B12	3/9/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B13	3/9/23	1510	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B14	3/9/23	1515	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-HR-B15	3/9/23	1520	G	S	N	N	X	X	X	X									6	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Stelmach	Date/Time: 3/9/23/1700	Company: Geosyntec	Received by: [signature]	Date/Time: 3-10-23 0928	Company: EPI/AVE
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

3/29/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B16	3/9/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B17	3/9/23	1530	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B18	3/9/23	1535	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B19	3/9/23	1540	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B20	3/9/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B21	3/9/23	1550	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2- DUP285	3/9/23	–	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B22	3/9/23	1555	G	S	N	N	X	X	X	X										6	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Miranda Stelmach	3/9/23 1700	Geosyntec		3-10-23 0928	EPI HWE
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-153349 Field Sheet

Tracking # : 7714 6688 7625

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed: 1.8 °C Corrected: 1.8 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/10/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

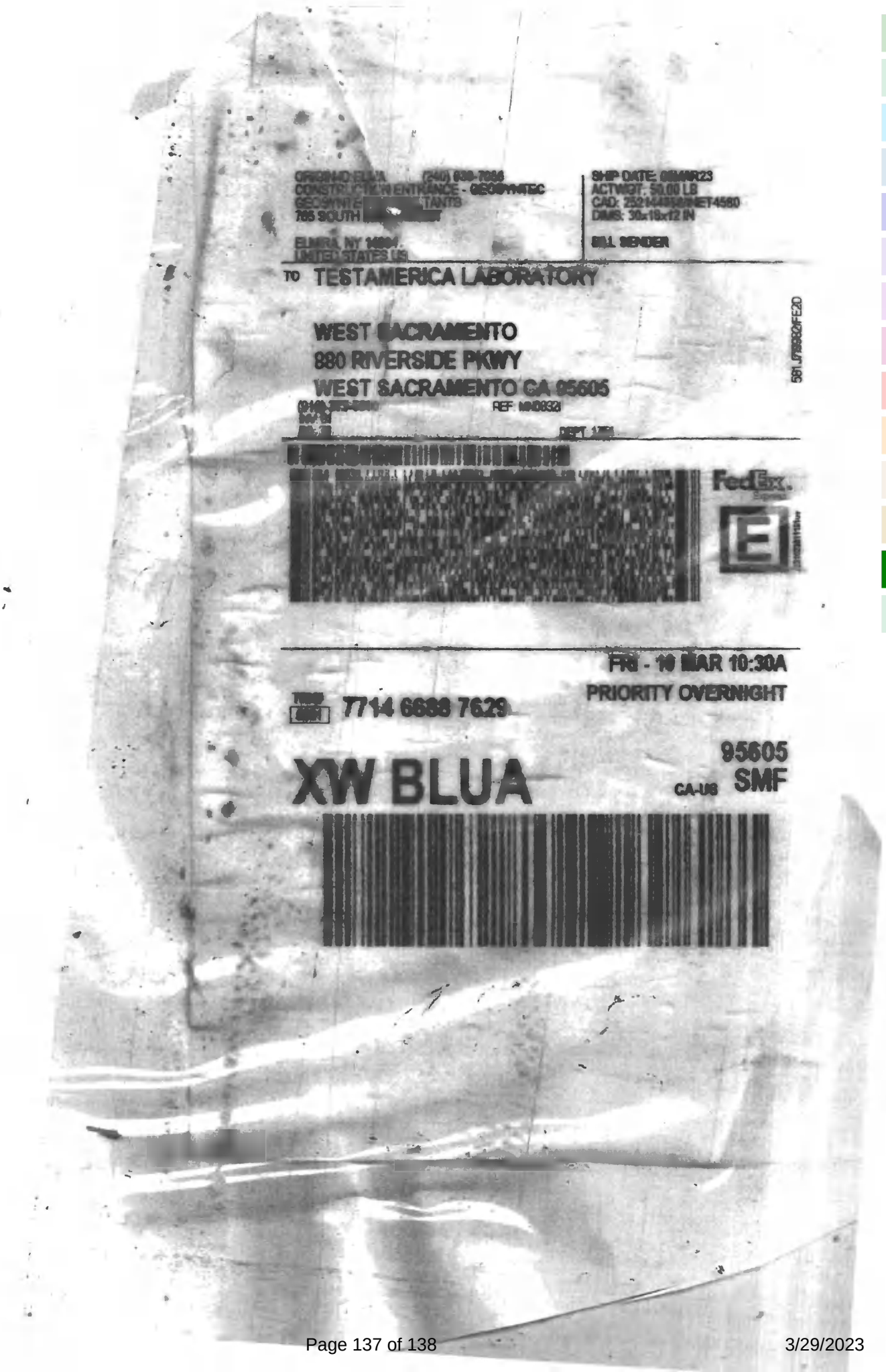
Initials: [illegible] Date: 3-10-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: [illegible] Date: 3-10-23


TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
FedEx
FRI - 10 MAR 10:30A
PRIORITY OVERNIGHT
7714 6698 7623
XW BLUA
95605
CA-US
SMF

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-153349-1

Login Number: 153349
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154312-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Job ID: 180-154312-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154312-2

Receipt
The samples were received on 3/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.9º C, 3.1º C, 3.7º C and 4.3º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

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

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154312-4	SSHS-IRM5A2-MSA-B24	Solid	03/29/23 14:15	03/30/23 10:00
180-154312-8	SSHS-IRM5A2-MSA-B28	Solid	03/29/23 14:35	03/30/23 10:00
180-154312-13	SSHS-IRM5A2-MSA-B32	Solid	03/29/23 14:55	03/30/23 10:00
180-154312-17	SSHS-IRM5A2-MSA-B36	Solid	03/29/23 15:15	03/30/23 10:00
180-154312-22	SSHS-IRM5A2-MSA-B40	Solid	03/29/23 15:35	03/30/23 10:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4
Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	665307	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665449	04/04/23 14:35	K1S	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.16 g	10.0 mL	665307	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665449	04/04/23 14:45	K1S	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13
Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	665307	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665449	04/04/23 14:55	K1S	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.0 mL	665307	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665449	04/04/23 15:05	K1S	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.22 g	10.0 mL	665307	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665449	04/04/23 15:16	K1S	EET SAC
	Instrument ID: A15									

Laboratory References:
EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4

Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.048**	**J**	0.20	0.045	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	04/02/23 19:30	04/04/23 14:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C5 PFPeA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C2 PFHxA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C4 PFHpA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C4 PFOA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C5 PFNA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C2 PFDA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C2 PFUnA	*87*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C2 PFDoA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C3 PFBS	*53*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
18O2 PFHxS	*57*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C4 PFOS	*58*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
13C8 FOSA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
M2-6:2 FTS	*47*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*
M2-8:2 FTS	*59*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:35*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8

Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.068**	**J**	0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	04/02/23 19:30	04/04/23 14:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*61*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C5 PFPeA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C2 PFHxA	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C4 PFHpA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C4 PFOA	*79*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C5 PFNA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C2 PFDA	*87*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C2 PFUnA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C2 PFDoA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C3 PFBS	*46*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
18O2 PFHxS	*50*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C4 PFOS	*52*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
13C8 FOSA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
M2-6:2 FTS	*41*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*
M2-8:2 FTS	*50*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:45*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13
Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 14:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C5 PFPeA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C4 PFHpA	*87*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C4 PFOA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C5 PFNA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C2 PFDA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C2 PFUnA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C2 PFDoA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C3 PFBS	*59*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
18O2 PFHxS	*65*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C4 PFOS	*66*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
13C8 FOSA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
M2-6:2 FTS	*56*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*
M2-8:2 FTS	*65*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:55*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 15:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*60*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C4 PFHpA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C4 PFOA	*79*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C5 PFNA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C2 PFDA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C2 PFUnA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C2 PFDoA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C3 PFBS	*47*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
18O2 PFHxS	*54*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C4 PFOS	*58*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
13C8 FOSA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
d3-NMeFOSAA	*73*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
M2-6:2 FTS	*44*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*
M2-8:2 FTS	*72*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:05*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.051**	**J**	0.20	0.045	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
6:2 FTS	ND		0.20	0.026	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 15:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*62*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C5 PFPeA	*76*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C2 PFHxA	*75*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C4 PFHpA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C4 PFOA	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C5 PFNA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C2 PFDA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C2 PFUnA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C2 PFDoA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C3 PFBS	*46*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
18O2 PFHxS	*52*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C4 PFOS	*55*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
13C8 FOSA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
M2-6:2 FTS	*42*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*
M2-8:2 FTS	*66*		*25 - 150*	*04/02/23 19:30*	*04/04/23 15:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-665307/1-A
Matrix: Solid
Analysis Batch: 665449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
6:2 FTS	ND		0.20	0.027	ug/Kg		04/02/23 19:30	04/04/23 14:05	1
8:2 FTS	ND		0.20	0.035	ug/Kg		04/02/23 19:30	04/04/23 14:05	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*66*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C5 PFPeA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C2 PFHxA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C4 PFHpA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C4 PFOA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C5 PFNA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C2 PFDA	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C2 PFUnA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C2 PFDoA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C3 PFBS	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
18O2 PFHxS	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C4 PFOS	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
13C8 FOSA	*103*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 14:05*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-665307/2-A
Matrix: Solid
Analysis Batch: 665449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.24		ug/Kg		112	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.12		ug/Kg		106	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.09		ug/Kg		105	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.25		ug/Kg		112	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.24		ug/Kg		112	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.20		ug/Kg		110	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.38		ug/Kg		119	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.22		ug/Kg		111	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.20		ug/Kg		110	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.11		ug/Kg		106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.13		ug/Kg		106	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.09		ug/Kg		118	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.94		ug/Kg		106	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.11		ug/Kg		110	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.02		ug/Kg		108	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.24		ug/Kg		116	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.19		ug/Kg		109	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.00		ug/Kg		100	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.21		ug/Kg		111	72 - 132
6:2 FTS	1.90	2.12		ug/Kg		111	73 - 139
8:2 FTS	1.92	2.14		ug/Kg		111	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*61*		*25 - 150*
13C5 PFPeA	*86*		*25 - 150*
13C2 PFHxA	*86*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*84*		*25 - 150*
13C2 PFDA	*87*		*25 - 150*
13C2 PFUnA	*93*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*
13C2 PFTeDA	*80*		*25 - 150*
13C3 PFBS	*80*		*25 - 150*
18O2 PFHxS	*87*		*25 - 150*
13C4 PFOS	*87*		*25 - 150*
13C8 FOSA	*94*		*25 - 150*
d3-NMeFOSAA	*88*		*25 - 150*
d5-NEtFOSAA	*100*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-665307/2-A
Matrix: Solid
Analysis Batch: 665449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665307

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*75*		*25 - 150*
M2-8:2 FTS	*104*		*25 - 150*

Lab Sample ID: 180-154312-22 MS
Matrix: Solid
Analysis Batch: 665449

Client Sample ID: SSHS-IRM5A2-MSA-B40
Prep Type: Total/NA
Prep Batch: 665307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.051	J	2.05	2.19		ug/Kg	☼	104	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.05	2.08		ug/Kg	☼	102	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.05	2.14		ug/Kg	☼	105	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.05	2.26		ug/Kg	☼	110	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.05	2.19		ug/Kg	☼	107	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.05	2.24		ug/Kg	☼	109	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.05	2.23		ug/Kg	☼	109	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.05	2.28		ug/Kg	☼	111	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.05	2.16		ug/Kg	☼	105	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.05	2.04		ug/Kg	☼	100	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.05	2.25		ug/Kg	☼	110	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.82	2.11		ug/Kg	☼	116	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.87	1.93		ug/Kg	☼	103	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.95	2.08		ug/Kg	☼	107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.90	2.00		ug/Kg	☼	105	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.97	2.41		ug/Kg	☼	122	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.05	2.21		ug/Kg	☼	108	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.05	2.15		ug/Kg	☼	105	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.05	2.25		ug/Kg	☼	110	72 - 132
6:2 FTS	ND		1.95	2.18		ug/Kg	☼	112	73 - 139
8:2 FTS	ND		1.96	2.21		ug/Kg	☼	113	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*66*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*79*		*25 - 150*
13C4 PFHpA	*86*		*25 - 150*
13C4 PFOA	*87*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*89*		*25 - 150*
13C2 PFUnA	*87*		*25 - 150*
13C2 PFDoA	*89*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154312-22 MS
Matrix: Solid
Analysis Batch: 665449

Client Sample ID: SSHS-IRM5A2-MSA-B40
Prep Type: Total/NA
Prep Batch: 665307

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	80		25 - 150
13C3 PFBS	52		25 - 150
18O2 PFHxS	58		25 - 150
13C4 PFOS	60		25 - 150
13C8 FOSA	88		25 - 150
d3-NMeFOSAA	70		25 - 150
d5-NEtFOSAA	80		25 - 150
M2-6:2 FTS	49		25 - 150
M2-8:2 FTS	69		25 - 150

Lab Sample ID: 180-154312-22 MSD
Matrix: Solid
Analysis Batch: 665449

Client Sample ID: SSHS-IRM5A2-MSA-B40
Prep Type: Total/NA
Prep Batch: 665307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.051	J	1.91	2.03		ug/Kg	☼	104	76 - 136	7	30
Perfluoropentanoic acid (PFPeA)	ND		1.91	2.04		ug/Kg	☼	107	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)	ND		1.91	1.93		ug/Kg	☼	101	71 - 131	11	30
Perfluoroheptanoic acid (PFHpA)	ND		1.91	2.05		ug/Kg	☼	108	71 - 131	10	30
Perfluorooctanoic acid (PFOA)	ND		1.91	2.05		ug/Kg	☼	108	72 - 132	7	30
Perfluorononanoic acid (PFNA)	ND		1.91	1.97		ug/Kg	☼	103	73 - 133	13	30
Perfluorodecanoic acid (PFDA)	ND		1.91	2.14		ug/Kg	☼	112	72 - 132	4	30
Perfluoroundecanoic acid (PFUnA)	ND		1.91	2.05		ug/Kg	☼	107	66 - 126	11	30
Perfluorododecanoic acid (PFDoA)	ND		1.91	1.96		ug/Kg	☼	103	71 - 131	9	30
Perfluorotridecanoic acid (PFTriA)	ND		1.91	1.99		ug/Kg	☼	105	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)	ND		1.91	1.87		ug/Kg	☼	98	67 - 127	18	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.69	2.01		ug/Kg	☼	118	69 - 129	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.74	1.83		ug/Kg	☼	105	62 - 122	5	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.82	1.95		ug/Kg	☼	107	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.77	1.89		ug/Kg	☼	107	68 - 141	5	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.84	2.20		ug/Kg	☼	120	71 - 131	9	30
Perfluorooctanesulfonamide (FOSA)	ND		1.91	2.02		ug/Kg	☼	106	77 - 137	9	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.91	1.94		ug/Kg	☼	102	72 - 132	10	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.91	1.97		ug/Kg	☼	103	72 - 132	13	30
6:2 FTS	ND		1.82	1.99		ug/Kg	☼	110	73 - 139	9	30
8:2 FTS	ND		1.83	1.94		ug/Kg	☼	106	75 - 135	13	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	53		25 - 150
13C5 PFPeA	79		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154312-22 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B40
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 665449
Prep Batch: 665307

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	79		25 - 150
13C4 PFHpA	86		25 - 150
13C4 PFOA	82		25 - 150
13C5 PFNA	81		25 - 150
13C2 PFDA	84		25 - 150
13C2 PFUnA	88		25 - 150
13C2 PFDoA	85		25 - 150
13C2 PFTeDA	78		25 - 150
13C3 PFBS	48		25 - 150
18O2 PFHxS	55		25 - 150
13C4 PFOS	55		25 - 150
13C8 FOSA	82		25 - 150
d3-NMeFOSAA	65		25 - 150
d5-NEtFOSAA	78		25 - 150
M2-6:2 FTS	45		25 - 150
M2-8:2 FTS	68		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 665307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	SHAKE	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	SHAKE	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	SHAKE	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	SHAKE	
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	SHAKE	
MB 320-665307/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-665307/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-154312-22 MS	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	SHAKE	
180-154312-22 MSD	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	SHAKE	

Analysis Batch: 665449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	537 (modified)	665307
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	537 (modified)	665307
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	537 (modified)	665307
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	537 (modified)	665307
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	537 (modified)	665307
MB 320-665307/1-A	Method Blank	Total/NA	Solid	537 (modified)	665307
LCS 320-665307/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	665307
180-154312-22 MS	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	537 (modified)	665307
180-154312-22 MSD	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	537 (modified)	665307

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

4/6/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	C Lamas	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B21	3/29/23	1400	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B22	3/29/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B23	3/29/23	1410	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B24	3/29/23	1415	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B25	3/29/23	1420	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B26	3/29/23	1425	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B27	3/29/23	1430	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B28	3/29/23	1435	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B29	3/29/23	1440	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B30	3/29/23	1445	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP289	3/29/23		G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B31	3/29/23	1450	G	S	N	N	X	X	X	X										6	

180-154312 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	3/29/23	Geosyntec		3/30/23 10:00	EQ IT NE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

4/6/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr Aron Krasnopoler	C Lamas	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B32	3/29/23	1455	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B33	3/29/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B34	3/29/23	1505	G	S	N	Y	X	X	X	X			12	
SSHS-IRM5A2-MSA-B35	3/29/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B36	3/29/23	1515	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B37	3/29/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B38	3/29/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP290	3/29/23		G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B39	3/29/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B40	3/29/23	1535	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B41	3/29/23	1540	G	S	N	N	X	X	X	X			6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/29/23	Company: Geosyntec	Received by:	Date/Time: 3-30-23 1000	Company: EPI Three
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes, Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-154312 Chain of Custody

Preservation Codes:

- HCL	M - Hexane
- NaOH	N - None
- Zn Acetate	O - AsNaO2
- Nitric Acid	P - Na2O4S
- NaHSO4	Q - Na2SO3
- MeOH	R - Na2S2O3
- Amchlor	S - H2SO4
- Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B21	3/29/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B22	3/29/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B23	3/29/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B24	3/29/23	1415	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B25	3/29/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B26	3/29/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B27	3/29/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B28	3/29/23	1435	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B29	3/29/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B30	3/29/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP289	3/29/23		G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B31	3/29/23	1450	G	S	N	N	X	X	X	X			6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/29/23	Company: Geosyntec	Received by: Date/Time: 3/30/23 945 Company: EET SAC
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.1

Ver: 01/16/2019

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Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B32	3/29/23	1455	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B33	3/29/23	1500	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B34	3/29/23	1505	G	S	N	Y	X	X	X	X										12	
SSHS-IRM5A2-MSA-B35	3/29/23	1510	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B36	3/29/23	1515	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B37	3/29/23	1520	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B38	3/29/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP290	3/29/23		G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B39	3/29/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B40	3/29/23	1535	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B41	3/29/23	1540	G	S	N	N	X	X	X	X										6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Colin	Date/Time: 3/29/23	Company: Geosyntec	Received by:	Date/Time: 3/30/23 945	Company: EET SAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-154312 Field Sheet

Job: _____

Tracking # : 7716 5677 3760

SO / ~~CO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 410 Corr. Factor: (+ / -) _____ °C

Ice ~ Wet _____ Gel ~ Other _____

Cooler Custody Seal: ~

Cooler ID: ~

Temp Observed: 3.1 °C Corrected: 3.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 3/30/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 3-30-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SD Date: 3-30-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154312-2

Login Number: 154312
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154312-2

Login Number: 154312
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154374-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-154374-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154374-2

Receipt
The samples were received on 3/31/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.7º C, 4.7º C, 4.9º C, 5.3º C and 5.4º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154374-4	SSHS-IRM5A2-MSA-B45	Solid	03/30/23 13:15	03/31/23 09:18
180-154374-9	SSHS-IRM5A2-MSA-B49	Solid	03/30/23 13:35	03/31/23 09:18
180-154374-14	SSHS-IRM5A2-MSA-B54	Solid	03/30/23 14:00	03/31/23 09:18
180-154374-20	SSHS-IRM5A2-MSA-B59	Solid	03/30/23 14:25	03/31/23 09:18

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 01:09	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9
Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 01:20	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 01:30	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.21 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 02:00	S1M	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4

Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.059**	**J B**	0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 01:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*53*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C5 PFPeA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C2 PFHxA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C4 PFHpA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C4 PFOA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C5 PFNA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C2 PFDA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C2 PFUnA	*104*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C2 PFDoA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C3 PFBS	*67*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
18O2 PFHxS	*71*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C4 PFOS	*74*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
13C8 FOSA	*99*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:09*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9

Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.048**	**J B**	0.21	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 01:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*48*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C5 PFPeA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C2 PFHxA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C4 PFHpA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C4 PFOA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C5 PFNA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C2 PFDA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C2 PFUnA	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C2 PFDoA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C3 PFBS	*60*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
18O2 PFHxS	*65*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C4 PFOS	*70*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
13C8 FOSA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
M2-6:2 FTS	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:20*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 01:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*46*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C5 PFPeA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C2 PFHxA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C4 PFHpA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C4 PFOA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C5 PFNA	*87*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C2 PFDA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C2 PFUnA	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C2 PFDoA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C3 PFBS	*56*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
18O2 PFHxS	*62*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C4 PFOS	*63*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
13C8 FOSA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*04/02/23 19:30*	*04/04/23 01:30*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154374-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	04/02/23 19:30	04/04/23 02:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*52*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C2 PFHxA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C4 PFHpA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C4 PFOA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C5 PFNA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C2 PFDA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C2 PFUnA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C2 PFDoA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C3 PFBS	*54*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
18O2 PFHxS	*59*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C4 PFOS	*62*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
13C8 FOSA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:00*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-665079/1-A
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0621	J	0.20	0.046	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
6:2 FTS	ND		0.20	0.027	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
8:2 FTS	ND		0.20	0.035	ug/Kg		04/02/23 19:30	04/04/23 00:49	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*54*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C4 PFHpA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C4 PFOA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C5 PFNA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFDA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFUnA	*97*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFDoA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C3 PFBS	*78*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
18O2 PFHxS	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C4 PFOS	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C8 FOSA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
M2-8:2 FTS	*123*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-665079/2-A
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.25		ug/Kg		113	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.18		ug/Kg		109	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.97		ug/Kg		99	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.26		ug/Kg		113	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.28		ug/Kg		114	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.24		ug/Kg		112	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.30		ug/Kg		115	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.26		ug/Kg		113	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.12		ug/Kg		106	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.08		ug/Kg		104	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.08		ug/Kg		104	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.16		ug/Kg		122	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.93		ug/Kg		106	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.15		ug/Kg		113	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.99		ug/Kg		107	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.29		ug/Kg		119	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.26		ug/Kg		113	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.27		ug/Kg		114	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.22		ug/Kg		111	72 - 132
6:2 FTS	1.90	2.24		ug/Kg		118	73 - 139
8:2 FTS	1.92	2.17		ug/Kg		113	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*45*		*25 - 150*
13C5 PFPeA	*84*		*25 - 150*
13C2 PFHxA	*91*		*25 - 150*
13C4 PFHpA	*88*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*97*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*84*		*25 - 150*
18O2 PFHxS	*87*		*25 - 150*
13C4 PFOS	*92*		*25 - 150*
13C8 FOSA	*98*		*25 - 150*
d3-NMeFOSAA	*100*		*25 - 150*
d5-NEtFOSAA	*117*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-665079/2-A
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665079

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*113*		*25 - 150*
M2-8:2 FTS	*131*		*25 - 150*

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 665079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.03	2.25		ug/Kg	☼	111	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.03	2.15		ug/Kg	☼	106	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.03	2.07		ug/Kg	☼	102	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.03	2.36		ug/Kg	☼	116	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.03	2.38		ug/Kg	☼	117	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.03	2.23		ug/Kg	☼	110	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.03	2.35		ug/Kg	☼	116	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.03	2.28		ug/Kg	☼	112	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.03	2.16		ug/Kg	☼	106	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.03	2.14		ug/Kg	☼	106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.03	2.02		ug/Kg	☼	100	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.80	2.20		ug/Kg	☼	122	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.85	1.90		ug/Kg	☼	103	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.94	2.19		ug/Kg	☼	113	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.89	2.01		ug/Kg	☼	106	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.96	2.34		ug/Kg	☼	119	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.03	2.16		ug/Kg	☼	106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.03	2.23		ug/Kg	☼	110	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.03	2.18		ug/Kg	☼	107	72 - 132
6:2 FTS	ND		1.93	2.47		ug/Kg	☼	128	73 - 139
8:2 FTS	ND		1.95	2.23		ug/Kg	☼	115	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*48*		*25 - 150*
13C5 PFPeA	*80*		*25 - 150*
13C2 PFHxA	*81*		*25 - 150*
13C4 PFHpA	*81*		*25 - 150*
13C4 PFOA	*80*		*25 - 150*
13C5 PFNA	*83*		*25 - 150*
13C2 PFDA	*91*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 665079

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	90		25 - 150
13C3 PFBS	56		25 - 150
18O2 PFHxS	61		25 - 150
13C4 PFOS	63		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	100		25 - 150
M2-6:2 FTS	69		25 - 150
M2-8:2 FTS	93		25 - 150

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 665079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.01	2.28		ug/Kg	☼	114	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.01	2.15		ug/Kg	☼	107	69 - 129	0	30
Perfluorohexanoic acid (PFHxA)	ND		2.01	2.08		ug/Kg	☼	103	71 - 131	0	30
Perfluoroheptanoic acid (PFHpA)	ND		2.01	2.26		ug/Kg	☼	112	71 - 131	4	30
Perfluorooctanoic acid (PFOA)	ND		2.01	2.27		ug/Kg	☼	113	72 - 132	5	30
Perfluorononanoic acid (PFNA)	ND		2.01	2.32		ug/Kg	☼	115	73 - 133	4	30
Perfluorodecanoic acid (PFDA)	ND		2.01	2.35		ug/Kg	☼	117	72 - 132	0	30
Perfluoroundecanoic acid (PFUnA)	ND		2.01	2.22		ug/Kg	☼	110	66 - 126	3	30
Perfluorododecanoic acid (PFDoA)	ND		2.01	2.08		ug/Kg	☼	103	71 - 131	4	30
Perfluorotridecanoic acid (PFTriA)	ND		2.01	2.07		ug/Kg	☼	103	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.01	2.04		ug/Kg	☼	102	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.79	2.21		ug/Kg	☼	124	69 - 129	0	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.83	1.98		ug/Kg	☼	108	62 - 122	4	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.92	2.15		ug/Kg	☼	112	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.87	1.97		ug/Kg	☼	105	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.94	2.27		ug/Kg	☼	117	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.01	2.22		ug/Kg	☼	110	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.01	2.12		ug/Kg	☼	106	72 - 132	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.01	2.26		ug/Kg	☼	112	72 - 132	4	30
6:2 FTS	ND		1.92	2.36		ug/Kg	☼	123	73 - 139	5	30
8:2 FTS	ND		1.93	2.18		ug/Kg	☼	113	75 - 135	3	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	49		25 - 150
13C5 PFPeA	83		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 665079

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	82		25 - 150
13C4 PFHpA	81		25 - 150
13C4 PFOA	86		25 - 150
13C5 PFNA	83		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	96		25 - 150
13C2 PFTeDA	89		25 - 150
13C3 PFBS	53		25 - 150
18O2 PFHxS	58		25 - 150
13C4 PFOS	61		25 - 150
13C8 FOSA	88		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	100		25 - 150
M2-6:2 FTS	68		25 - 150
M2-8:2 FTS	79		25 - 150

LCMS

Prep Batch: 665079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	SHAKE	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	SHAKE	
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	SHAKE	
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	SHAKE	
MB 320-665079/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-665079/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	SHAKE	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	SHAKE	

Analysis Batch: 665201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	537 (modified)	665079
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	537 (modified)	665079
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	537 (modified)	665079
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	537 (modified)	665079
MB 320-665079/1-A	Method Blank	Total/NA	Solid	537 (modified)	665079
LCS 320-665079/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	665079
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	537 (modified)	665079
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	537 (modified)	665079

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B42	3/30/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B43	3/30/23	1305	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B44	3/30/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B45	3/30/23	1315	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B46	3/30/23	1320	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B47	3/30/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B48	3/30/23	1330	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP291	3/30/23	–	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-MSA-B49	3/30/23	1335	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B50	3/30/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B51	3/30/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B52	3/30/23	1350	G	S	N	N	X	X	X	X			6	

180-154374 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/30/23 1700	Geosyntec		3/31/23 9:18	EDF INC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

4/7/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B53	3/30/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B54	3/30/23	1400	G	S	N	Y	X	X	X	X	X	X	16	
SSHS-IRM5A2-MSA-B55	3/30/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B56	3/30/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B57	3/30/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B58	3/30/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-DUP292	3/30/23	–	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B59	3/30/23	1425	G	S	N	N	X	X	X	X	X	X	8	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/30/23 1700	Company: Geosyntec		3/31/23 9:18	EPIDYNE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154374 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B42	3/30/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B43	3/30/23	1305	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B44	3/30/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B45	3/30/23	1315	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B46	3/30/23	1320	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B47	3/30/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B48	3/30/23	1330	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP291	3/30/23	--	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-MSA-B49	3/30/23	1335	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B50	3/30/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B51	3/30/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B52	3/30/23	1350	G	S	N	N	X	X	X	X			6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Mirand Ash	Date/Time: 3/30/23 1700	Company: Geosyntec	Received by:	Date/Time: 3/31/23 930	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.9

Ver: 01/16/2019

Page 22 of 25

4/7/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B53	3/30/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B54	3/30/23	1400	G	S	N	Y	X	X	X	X	X	X	16	
SSHS-IRM5A2-MSA-B55	3/30/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B56	3/30/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B57	3/30/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B58	3/30/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-DUP292	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B59	3/30/23	1425	G	S	N	N	X	X	X	X	X	X	8	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Miranda Ann	Date/Time: 3/30/23/1700	Company: Geosyntec	Received by:	Date/Time: 3/31/23 930	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.9		

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154374 Field Sheet

Job: _____

Tracking # : 7716 5676 3051

SO / ~~EO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: _____

Temp Observed: 4.9 °C Corrected: 4.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/31/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 3-31-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 3-31-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154374-2

Login Number: 154374
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154375-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Job ID: 180-154375-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154375-2

Receipt
The samples were received on 3/31/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.7º C, 4.7º C, 4.9º C, 5.3º C and 5.4º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154375-5	SSHS-IRM5A2-MSA-B64	Solid	03/30/23 14:50	03/31/23 09:18
180-154375-10	SSHS-IRM5A2-MSA-B68	Solid	03/30/23 15:10	03/31/23 09:18
180-154375-15	SSHS-IRM5A2-MSA-B73	Solid	03/30/23 15:35	03/31/23 09:18
180-154375-19	SSHS-IRM5A2-MSA-B77	Solid	03/30/23 15:55	03/31/23 09:18
180-154375-20	SSHS-IRM5A2-DUP294	Solid	03/30/23 00:00	03/31/23 09:18

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 02:10	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 02:20	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.42 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 02:51	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19
Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.20 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 03:01	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	665079	04/02/23 19:30	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	665201	04/04/23 03:11	S1M	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.058**	**J B**	0.21	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorododecanoic acid (PFDoA)	**0.12**	**J**	0.21	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorotridecanoic acid (PFTriA)	**0.29**		0.21	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorotetradecanoic acid (PFTeA)	**0.33**		0.21	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorodecanesulfonic acid (PFDS)	**0.085**	**J**	0.21	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
Perfluorooctanesulfonamide (FOSA)	**0.061**	**J**	0.21	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.082**	**J**	0.21	0.024	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.19**	**J**	0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 02:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*57*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C2 PFHxA	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C4 PFHpA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C4 PFOA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C5 PFNA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C2 PFDA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C2 PFUnA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C2 PFDoA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C3 PFBS	*56*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
18O2 PFHxS	*61*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C4 PFOS	*62*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
13C8 FOSA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
M2-6:2 FTS	*66*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:10*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.068**	**J B**	0.20	0.045	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.020	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
6:2 FTS	ND		0.20	0.026	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 02:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*49*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C4 PFHpA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C4 PFOA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C5 PFNA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C2 PFDA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C2 PFUnA	*97*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C2 PFDoA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C3 PFBS	*51*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
18O2 PFHxS	*54*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C4 PFOS	*57*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
13C8 FOSA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
M2-6:2 FTS	*65*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:20*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.057**	**J B**	0.19	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 02:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*53*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C5 PFPeA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C2 PFHxA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C4 PFHpA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C4 PFOA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C5 PFNA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C2 PFDA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C2 PFUnA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C2 PFDoA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C3 PFBS	*58*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
18O2 PFHxS	*61*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C4 PFOS	*64*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
13C8 FOSA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 02:51*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19
Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.054	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	04/02/23 19:30	04/04/23 03:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*57*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C2 PFHxA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C4 PFHpA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C4 PFOA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C5 PFNA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C2 PFDA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C2 PFUnA	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C2 PFDoA	*91*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C3 PFBS	*62*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
18O2 PFHxS	*66*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C4 PFOS	*69*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
13C8 FOSA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
M2-6:2 FTS	*77*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:01*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20

Date Collected: 03/30/23 00:00
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	04/02/23 19:30	04/04/23 03:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*49*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C5 PFPeA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C2 PFHxA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C4 PFHpA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C4 PFOA	*82*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C5 PFNA	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C2 PFDA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C2 PFUnA	*98*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C2 PFDoA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C3 PFBS	*61*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
18O2 PFHxS	*65*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C4 PFOS	*69*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
13C8 FOSA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 03:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-665079/1-A
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665079

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0621	J	0.20	0.046	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
6:2 FTS	ND		0.20	0.027	ug/Kg		04/02/23 19:30	04/04/23 00:49	1
8:2 FTS	ND		0.20	0.035	ug/Kg		04/02/23 19:30	04/04/23 00:49	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*54*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C5 PFPeA	*80*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C4 PFHpA	*84*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C4 PFOA	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C5 PFNA	*85*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFDA	*93*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFUnA	*97*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFDoA	*92*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C3 PFBS	*78*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
18O2 PFHxS	*83*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C4 PFOS	*86*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
13C8 FOSA	*96*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*
M2-8:2 FTS	*123*		*25 - 150*	*04/02/23 19:30*	*04/04/23 00:49*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-665079/2-A
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.25		ug/Kg		113	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.18		ug/Kg		109	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.97		ug/Kg		99	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.26		ug/Kg		113	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.28		ug/Kg		114	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.24		ug/Kg		112	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.30		ug/Kg		115	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.26		ug/Kg		113	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.12		ug/Kg		106	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.08		ug/Kg		104	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.08		ug/Kg		104	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.16		ug/Kg		122	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.93		ug/Kg		106	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.15		ug/Kg		113	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.99		ug/Kg		107	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.29		ug/Kg		119	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.26		ug/Kg		113	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.27		ug/Kg		114	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.22		ug/Kg		111	72 - 132
6:2 FTS	1.90	2.24		ug/Kg		118	73 - 139
8:2 FTS	1.92	2.17		ug/Kg		113	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*45*		*25 - 150*
13C5 PFPeA	*84*		*25 - 150*
13C2 PFHxA	*91*		*25 - 150*
13C4 PFHpA	*88*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*97*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*84*		*25 - 150*
18O2 PFHxS	*87*		*25 - 150*
13C4 PFOS	*92*		*25 - 150*
13C8 FOSA	*98*		*25 - 150*
d3-NMeFOSAA	*100*		*25 - 150*
d5-NEtFOSAA	*117*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-665079/2-A
Matrix: Solid
Analysis Batch: 665201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665079

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	113		25 - 150
M2-8:2 FTS	131		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 665079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	SHAKE	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	SHAKE	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	SHAKE	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	SHAKE	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	SHAKE	
MB 320-665079/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-665079/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 665201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	537 (modified)	665079
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	537 (modified)	665079
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	537 (modified)	665079
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	537 (modified)	665079
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	537 (modified)	665079
MB 320-665079/1-A	Method Blank	Total/NA	Solid	537 (modified)	665079
LCS 320-665079/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	665079

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-2)

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B60	3/30/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B61	3/30/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B62	3/30/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B63	3/30/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B64	3/30/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B65	3/30/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B66	3/30/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B67	3/30/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP293	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B68	3/30/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B69	3/30/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B70	3/30/23	1520	G	S	N	N	X	X	X	X			6	

180-154375 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/30/23 1700	Company: Geosyntec	[signature]	3/31/23 9:18	EQUITE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B71	3/30/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B72	3/30/23	1530	G	S	N	Y	X	X	X	X										12	
SSHS-IRM5A2-MSA-B73	3/30/23	1535	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B74	3/30/23	1540	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B75	3/30/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B76	3/30/23	1550	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B77	3/30/23	1555	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-DUP294	3/30/23	–	G	S	N	N	X	X	X	X	X	X								8	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/30/23 1700	Company: Geosyntec	Received by:	Date/Time: 3/31/23 9:18	Company EPMWE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-2)

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154375 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteloil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B60	3/30/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B61	3/30/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B62	3/30/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B63	3/30/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B64	3/30/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B65	3/30/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B66	3/30/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B67	3/30/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP293	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B68	3/30/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B69	3/30/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B70	3/30/23	1520	G	S	N	N	X	X	X	X			6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/30/23 1700	Company: Geosyntec	Received by:	Date/Time: 3/31/23 930	Company: LBT Gca
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.9

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B71	3/30/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B72	3/30/23	1530	G	S	N	Y	X	X	X	X										12	
SSHS-IRM5A2-MSA-B73	3/30/23	1535	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B74	3/30/23	1540	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B75	3/30/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B76	3/30/23	1550	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B77	3/30/23	1555	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-DUP294	3/30/23	--	G	S	N	N	X	X	X	X	X	X								8	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Meredith Atkinson	3/30/23/1700	Geosyntec		3-31-23 09:30	BETSAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.9

Page 23 of 25

4/7/2023

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-154375 Field Sheet

Job: _____

Tracking # : 7716 5676 3051

SO / ~~FO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice ~ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: _____

Temp Observed: 4.9 °C Corrected: 4.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/31/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 3-31-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 3-31-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154375-2

Login Number: 154375
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154242-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Job ID: 180-154242-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154242-2

Receipt
The samples were received on 3/29/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0º C, 3.0º C, 4.3º C and 5.4º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154242-1	SSHS-IRM5A2-MSA-B1	Solid	03/28/23 14:00	03/29/23 09:50
180-154242-5	SSHS-IRM5A2-MSA-B5	Solid	03/28/23 14:20	03/29/23 09:50
180-154242-10	SSHS-IRM5A2-MSA-B10	Solid	03/28/23 14:45	03/29/23 09:50
180-154242-11	SSHS-IRM5A2-DUP287	Solid	03/28/23 00:00	03/29/23 09:50
180-154242-16	SSHS-IRM5A2-MSA-B15	Solid	03/28/23 15:10	03/29/23 09:50
180-154242-22	SSHS-IRM5A2-MSA-B20	Solid	03/28/23 15:35	03/29/23 09:50

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	664628	03/30/23 20:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664830	03/31/23 16:52	D1R	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	664628	03/30/23 20:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664830	03/31/23 17:03	D1R	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10
Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	664628	03/30/23 20:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664830	03/31/23 17:13	D1R	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.40 g	10.0 mL	664628	03/30/23 20:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664830	03/31/23 17:23	D1R	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16
Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	664628	03/30/23 20:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664830	03/31/23 17:34	D1R	EET SAC
	Instrument ID: A25									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22

Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.15 g	10.0 mL	664628	03/30/23 20:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	664830	03/31/23 17:44	D1R	EET SAC
	Instrument ID: A25									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

D1R = Dhatpakorn Ruangyotsakul

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.023	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.024	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	03/30/23 20:00	03/31/23 16:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C5 PFPeA	*86*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C2 PFHxA	*82*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C4 PFHpA	*92*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C4 PFOA	*84*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C5 PFNA	*88*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C2 PFDA	*90*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C2 PFUnA	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C2 PFDoA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C3 PFBS	*62*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
18O2 PFHxS	*66*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C4 PFOS	*77*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
13C8 FOSA	*97*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
M2-6:2 FTS	*74*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:52*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	03/30/23 20:00	03/31/23 17:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C5 PFPeA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C2 PFHxA	*73*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C4 PFHpA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C4 PFOA	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C5 PFNA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C2 PFDA	*83*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C2 PFUnA	*82*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C2 PFDoA	*77*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C2 PFTeDA	*72*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C3 PFBS	*52*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
18O2 PFHxS	*55*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C4 PFOS	*67*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
13C8 FOSA	*89*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
M2-6:2 FTS	*59*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*
M2-8:2 FTS	*76*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:03*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10
Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	03/30/23 20:00	03/31/23 17:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C5 PFPeA	*83*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C2 PFHxA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C4 PFHpA	*95*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C4 PFOA	*86*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C5 PFNA	*87*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C2 PFDA	*96*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C2 PFUnA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C2 PFDoA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C3 PFBS	*59*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
18O2 PFHxS	*64*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C4 PFOS	*73*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
13C8 FOSA	*97*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:13*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.021	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.020	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.022	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
6:2 FTS	ND		0.20	0.026	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	03/30/23 20:00	03/31/23 17:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C5 PFPeA	*96*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C2 PFHxA	*87*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C4 PFHpA	*97*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C4 PFOA	*87*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C5 PFNA	*89*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C2 PFDA	*102*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C2 PFUnA	*92*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C2 PFDoA	*98*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C3 PFBS	*58*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
18O2 PFHxS	*62*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C4 PFOS	*73*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
13C8 FOSA	*103*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
d5-NEtFOSAA	*95*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:23*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16
Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.045	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.052	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.047	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.051	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.047	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	03/30/23 20:00	03/31/23 17:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*69*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C5 PFPeA	*78*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C2 PFHxA	*78*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C4 PFHpA	*83*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C4 PFOA	*77*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C5 PFNA	*80*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C2 PFDA	*86*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C2 PFUnA	*81*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C2 PFDoA	*82*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C3 PFBS	*53*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
18O2 PFHxS	*52*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C4 PFOS	*66*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
13C8 FOSA	*89*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
M2-6:2 FTS	*49*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:34*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22
Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	03/30/23 20:00	03/31/23 17:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C5 PFPeA	*93*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C2 PFHxA	*94*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C4 PFHpA	*100*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C4 PFOA	*90*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C5 PFNA	*99*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C2 PFDA	*96*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C2 PFUnA	*91*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C2 PFDoA	*93*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C3 PFBS	*69*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
18O2 PFHxS	*69*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C4 PFOS	*83*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
13C8 FOSA	*99*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*03/30/23 20:00*	*03/31/23 17:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-664628/1-A
Matrix: Solid
Analysis Batch: 664830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
6:2 FTS	ND		0.20	0.027	ug/Kg		03/30/23 20:00	03/31/23 16:32	1
8:2 FTS	ND		0.20	0.035	ug/Kg		03/30/23 20:00	03/31/23 16:32	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C5 PFPeA	*82*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C2 PFHxA	*79*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C4 PFHpA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C4 PFOA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C5 PFNA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C2 PFDA	*89*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C2 PFUnA	*80*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C2 PFDoA	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C3 PFBS	*83*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
18O2 PFHxS	*82*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C4 PFOS	*90*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
13C8 FOSA	*103*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*
M2-8:2 FTS	*110*		*25 - 150*	*03/30/23 20:00*	*03/31/23 16:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-664628/2-A
Matrix: Solid
Analysis Batch: 664830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.02		ug/Kg		101	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.24		ug/Kg		112	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.11		ug/Kg		106	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.33		ug/Kg		116	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.20		ug/Kg		110	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.21		ug/Kg		110	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.11		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.10		ug/Kg		105	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.07		ug/Kg		104	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.24		ug/Kg		112	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.93		ug/Kg		108	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.82		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.94		ug/Kg		101	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.90		ug/Kg		102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.96		ug/Kg		102	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.13		ug/Kg		107	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.97		ug/Kg		99	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.15		ug/Kg		107	72 - 132
6:2 FTS	1.90	2.15		ug/Kg		113	73 - 139
8:2 FTS	1.92	1.84		ug/Kg		96	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*70*		*25 - 150*
13C5 PFPeA	*78*		*25 - 150*
13C2 PFHxA	*86*		*25 - 150*
13C4 PFHpA	*88*		*25 - 150*
13C4 PFOA	*84*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*90*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*101*		*25 - 150*
13C8 FOSA	*109*		*25 - 150*
d3-NMeFOSAA	*105*		*25 - 150*
d5-NEtFOSAA	*100*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-664628/2-A
Matrix: Solid
Analysis Batch: 664830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664628

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*99*		*25 - 150*
M2-8:2 FTS	*121*		*25 - 150*

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 664830

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 664628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.02	2.14		ug/Kg	☼	106	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.02	2.09		ug/Kg	☼	103	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.02	2.06		ug/Kg	☼	102	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.02	2.10		ug/Kg	☼	104	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.02	2.28		ug/Kg	☼	113	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.02	1.98		ug/Kg	☼	98	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.02	2.22		ug/Kg	☼	109	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.02	2.16		ug/Kg	☼	107	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.02	2.08		ug/Kg	☼	103	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.02	1.98		ug/Kg	☼	98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.02	2.16		ug/Kg	☼	106	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.80	1.95		ug/Kg	☼	108	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.85	2.03		ug/Kg	☼	110	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.93	1.99		ug/Kg	☼	103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.88	1.99		ug/Kg	☼	105	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.95	1.91		ug/Kg	☼	98	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.02	2.14		ug/Kg	☼	106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.02	2.17		ug/Kg	☼	107	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.02	2.07		ug/Kg	☼	102	72 - 132
6:2 FTS	ND		1.93	2.24		ug/Kg	☼	116	73 - 139
8:2 FTS	ND		1.94	2.10		ug/Kg	☼	108	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*72*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*89*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*97*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 664830

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 664628

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	65		25 - 150
18O2 PFHxS	66		25 - 150
13C4 PFOS	78		25 - 150
13C8 FOSA	100		25 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	95		25 - 150
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	94		25 - 150

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 664830

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 664628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.04	2.09		ug/Kg	☼	102	76 - 136	2	30
Perfluoropentanoic acid (PFPeA)	ND		2.04	2.26		ug/Kg	☼	111	69 - 129	8	30
Perfluorohexanoic acid (PFHxA)	ND		2.04	2.41		ug/Kg	☼	118	71 - 131	16	30
Perfluoroheptanoic acid (PFHpA)	ND		2.04	2.32		ug/Kg	☼	114	71 - 131	10	30
Perfluorooctanoic acid (PFOA)	ND		2.04	2.29		ug/Kg	☼	112	72 - 132	0	30
Perfluorononanoic acid (PFNA)	ND		2.04	2.15		ug/Kg	☼	105	73 - 133	8	30
Perfluorodecanoic acid (PFDA)	ND		2.04	2.23		ug/Kg	☼	109	72 - 132	1	30
Perfluoroundecanoic acid (PFUnA)	ND		2.04	2.30		ug/Kg	☼	113	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		2.04	2.19		ug/Kg	☼	107	71 - 131	5	30
Perfluorotridecanoic acid (PFTriA)	ND		2.04	2.26		ug/Kg	☼	111	71 - 131	13	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.04	2.30		ug/Kg	☼	112	67 - 127	6	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.81	1.90		ug/Kg	☼	104	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.86	2.05		ug/Kg	☼	110	62 - 122	1	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.95	2.03		ug/Kg	☼	104	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.90	1.97		ug/Kg	☼	104	68 - 141	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.97	2.07		ug/Kg	☼	105	71 - 131	8	30
Perfluorooctanesulfonamide (FOSA)	ND		2.04	2.28		ug/Kg	☼	112	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.04	2.23		ug/Kg	☼	109	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.04	2.06		ug/Kg	☼	101	72 - 132	0	30
6:2 FTS	ND		1.95	2.03		ug/Kg	☼	104	73 - 139	10	30
8:2 FTS	ND		1.96	2.20		ug/Kg	☼	112	75 - 135	4	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	74		25 - 150
13C5 PFPeA	86		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-154242-22 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B20
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 664830
Prep Batch: 664628

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	74		25 - 150
13C4 PFHpA	80		25 - 150
13C4 PFOA	84		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	82		25 - 150
13C2 PFDoA	84		25 - 150
13C2 PFTeDA	77		25 - 150
13C3 PFBS	60		25 - 150
18O2 PFHxS	61		25 - 150
13C4 PFOS	76		25 - 150
13C8 FOSA	95		25 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	92		25 - 150
M2-6:2 FTS	77		25 - 150
M2-8:2 FTS	81		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 664628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	SHAKE	
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	SHAKE	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	SHAKE	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	SHAKE	
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	SHAKE	
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	SHAKE	
MB 320-664628/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-664628/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	SHAKE	
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	SHAKE	

Analysis Batch: 664830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	537 (modified)	664628
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	537 (modified)	664628
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	537 (modified)	664628
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	537 (modified)	664628
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	537 (modified)	664628
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	537 (modified)	664628
MB 320-664628/1-A	Method Blank	Total/NA	Solid	537 (modified)	664628
LCS 320-664628/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	664628
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	537 (modified)	664628
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	537 (modified)	664628

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B12	3/28/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B13	3/28/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B14	3/28/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B15	3/28/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B16	3/28/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B17	3/28/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B18	3/28/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B19	3/28/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP288	3/28/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B20	3/28/23	1535	G	S	N	Y	X	X	X	X	X	X	16	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Miranda Hatheway	3/28/2023 1700	Company: Geosyntec		3/28/23	EPITOME
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-MSA-B1	3/28/23	1400	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-MSA-B2	3/28/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B3	3/28/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B4	3/28/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B5	3/28/23	1420	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-MSA-B6	3/28/23	1425	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B7	3/28/23	1430	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B8	3/28/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B9	3/28/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B10	3/28/23	1445	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP287	3/28/23	--	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-MSA-B11	3/28/23	1450	G	S	N	N	X	X	X	X									6	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Meranda Ahlers	Date/Time: 3/28/2023/1700	Company: Geosyntec	Received by:	Date/Time: 3/29/23 9:50	Company EPITOME
Relinquished by:	Date/Time:	Company	Received by:		Company
Relinquished by:	Date/Time:	Company	Received by:		Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C a

180-154242 Chain of Custody

4/11/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154242 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B1	3/28/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B2	3/28/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B3	3/28/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B4	3/28/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B5	3/28/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B6	3/28/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B7	3/28/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B8	3/28/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B9	3/28/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B10	3/28/23	1445	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-DUP287	3/28/23	--	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B11	3/28/23	1450	G	S	N	N	X	X	X	X			6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Miranda Heller	Date/Time: 3/28/2023/1700	Company: Geosyntec	Received by:	Date/Time: 3.29.23 0940	Company: EPBa
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.0

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4/11/2023

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-MSA-B12	3/28/23	1455	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B13	3/28/23	1500	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B14	3/28/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B15	3/28/23	1510	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B16	3/28/23	1515	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B17	3/28/23	1520	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B18	3/28/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B19	3/28/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP288	3/28/23	--	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B20	3/28/23	1535	G	S	N	Y	X	X	X	X	X	X								16	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Meredith Allen	Date/Time: 3/28/2023/1700	Company: Geosyntec	Received by:	Date/Time: 3/29/23 0940	Company: EETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1c 0

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4/11/2023

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes



Job: _____

Tracking # : 7716 5676 1116

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 03 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.0 °C Corrected: 1.0 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 3-29-23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-29-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials SO Date: 3-29-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154242-2

Login Number: 154242
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154242-2

Login Number: 154242
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/27/2023 5:03:59 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-155056-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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Job ID: 180-155056-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-155056-2

Receipt
The samples were received on 4/14/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 2.7º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155056-1	SSHS-IRM5A2-HR-B23	Solid	04/13/23 15:00	04/14/23 09:00
180-155056-5	SSHS-IRM5A2-HR-B27	Solid	04/13/23 15:20	04/14/23 09:00
180-155056-9	SSHS-IRM5A2-HR-B31	Solid	04/13/23 15:40	04/14/23 09:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/20/23 23:19	RS1	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/20/23 23:30	RS1	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.33 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/20/23 23:40	RS1	EET SAC
	Instrument ID: A24									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	04/17/23 19:45	04/20/23 23:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C5 PFPeA	*76*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C2 PFHxA	*85*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C4 PFHpA	*91*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C4 PFOA	*83*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C5 PFNA	*75*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C2 PFDA	*77*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C2 PFUnA	*79*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C2 PFDoA	*72*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C3 PFBS	*59*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
18O2 PFHxS	*49*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C4 PFOS	*58*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
13C8 FOSA	*79*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
d3-NMeFOSAA	*65*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
d5-NEtFOSAA	*69*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
M2-6:2 FTS	*55*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*
M2-8:2 FTS	*60*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:19*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	04/17/23 19:45	04/20/23 23:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C5 PFPeA	*69*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C2 PFHxA	*85*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C4 PFHpA	*81*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C4 PFOA	*75*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C5 PFNA	*76*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C2 PFDA	*75*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C2 PFUnA	*74*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C2 PFDoA	*74*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C3 PFBS	*48*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
18O2 PFHxS	*42*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C4 PFOS	*50*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
13C8 FOSA	*75*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
d3-NMeFOSAA	*57*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
d5-NEtFOSAA	*62*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
M2-6:2 FTS	*50*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*
M2-8:2 FTS	*48*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:30*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.022	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
6:2 FTS	**0.11**	**J B**	0.20	0.026	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	04/17/23 19:45	04/20/23 23:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C5 PFPeA	*65*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C4 PFHpA	*82*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C4 PFOA	*80*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C5 PFNA	*78*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C2 PFDA	*78*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C2 PFUnA	*70*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C2 PFDoA	*72*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C3 PFBS	*55*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
18O2 PFHxS	*45*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C4 PFOS	*50*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
13C8 FOSA	*72*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
d3-NMeFOSAA	*62*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
d5-NEtFOSAA	*62*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
M2-6:2 FTS	*52*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*
M2-8:2 FTS	*52*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:40*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-668262/1-A
Matrix: Solid
Analysis Batch: 669045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorooctanesulfonamide (FOSA)	0.0696	J	0.20	0.033	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
6:2 FTS	0.0507	J	0.20	0.027	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
8:2 FTS	ND		0.20	0.035	ug/Kg		04/17/23 19:45	04/20/23 21:37	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C5 PFPeA	*96*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFHxA	*95*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C4 PFHpA	*107*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C4 PFOA	*96*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C5 PFNA	*93*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFDA	*92*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFUnA	*99*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFDoA	*86*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFTeDA	*103*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C3 PFBS	*100*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
18O2 PFHxS	*91*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C4 PFOS	*93*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C8 FOSA	*100*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-668262/2-A
Matrix: Solid
Analysis Batch: 669045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.04		ug/Kg		102	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.86		ug/Kg		93	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.51		ug/Kg		125	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.10		ug/Kg		105	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.32		ug/Kg		116	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.36		ug/Kg		118	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.30		ug/Kg		115	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.16		ug/Kg		108	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.19		ug/Kg		110	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.09		ug/Kg		105	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.95		ug/Kg		110	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.92		ug/Kg		105	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.93		ug/Kg		101	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.96		ug/Kg		105	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.23		ug/Kg		115	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.16		ug/Kg		108	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.13		ug/Kg		107	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.01		ug/Kg		100	72 - 132
6:2 FTS	1.90	1.82		ug/Kg		95	73 - 139
8:2 FTS	1.92	1.98		ug/Kg		103	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*78*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*80*		*25 - 150*
13C2 PFDoA	*84*		*25 - 150*
13C2 PFTeDA	*89*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*76*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*92*		*25 - 150*
d5-NEtFOSAA	*97*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-668262/2-A
Matrix: Solid
Analysis Batch: 669045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668262

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	95		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 668262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	SHAKE	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	SHAKE	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	SHAKE	
MB 320-668262/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-668262/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 669045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	537 (modified)	668262
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	537 (modified)	668262
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	537 (modified)	668262
MB 320-668262/1-A	Method Blank	Total/NA	Solid	537 (modified)	668262
LCS 320-668262/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	668262

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-HR-B23	4/13/23	1500	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B24	4/13/23	1505	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B25	4/13/23	1510	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B26	4/13/23	1515	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B27	4/13/23	1520	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B28	4/13/23	1525	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B29	4/13/23	1530	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B30	4/13/23	1535	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B31	4/13/23	1540	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B32	4/13/23	1545	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-DUP295	4/13/23	-	G	S	N	N	X	X	X	X											6	

180-155056 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Zach Miller	Date/Time: 4/13/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/14/23 708	Company: EDITME
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-155056 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B23	4/13/23	1500	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B24	4/13/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B25	4/13/23	1510	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B26	4/13/23	1515	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B27	4/13/23	1520	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B28	4/13/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B29	4/13/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B30	4/13/23	1535	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B31	4/13/23	1540	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B32	4/13/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP295	4/13/23	-	G	S	N	N	X	X	X	X										6	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Zach Miller	Date/Time: 4/13/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/14/23 1030	Company: GGTSA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1S6860CA | Cooler Temperature(s) °C and Other Remarks: 12c

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-155056 Field Sheet

Job: _____

Tracking # : 777883072403

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 108 Corr. Factor: (+ / -) - °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 18681606

Cooler ID: _____

Temp Observed: 1.2 °C Corrected: 1.2 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: LD Date: 4/14/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

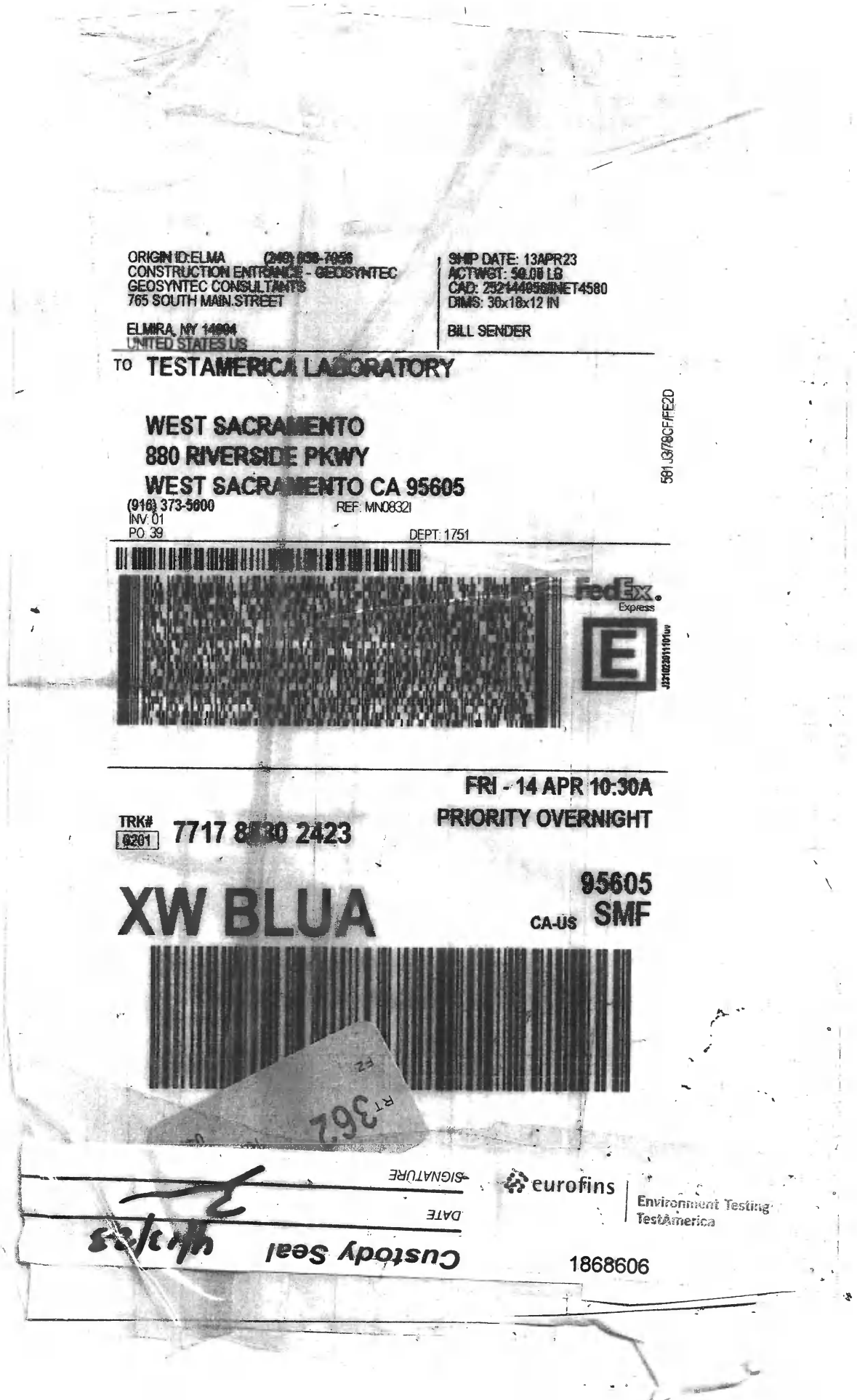
Initials: SO Date: 4/14/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 4-14-23


ORIGIN ID:ELMA (249) 808-7956
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
SHIP DATE: 13APR23
ACTWGT: 50.00 LB
CAD: 2521440568INET4580
DIMS: 36x18x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV: 01
PO: 39
REF: MN08321
DEPT: 1751
581J3/78CF/FE2D
FedEx Express
FRI - 14 APR 10:30A
PRIORITY OVERNIGHT
TRK# 7717 8 0 2423
XW BLUA
95605
CA-US SMF
SIGNATURE
DATE
Custody Seal
eurofins
Environment Testing
TestAmerica
1868606

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155056-2

Login Number: 155056
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155056-2

Login Number: 155056
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1868606
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/27/2023 5:13:57 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-155142-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Job ID: 180-155142-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-155142-2

Receipt
The samples were received on 4/15/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.3º C, 4.8º C and 4.9º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-23 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155142-1	SSHS-IRM5A2-HR-B33	Solid	04/14/23 15:00	04/15/23 09:17
180-155142-5	SSHS-IRM5A2-HR-B37	Solid	04/14/23 15:20	04/15/23 09:17
180-155142-10	SSHS-IRM5A2-HR-B41	Solid	04/14/23 15:40	04/15/23 09:17
180-155142-13	SSHS-IRM5A2-HR-B44	Solid	04/14/23 15:55	04/15/23 09:17

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/20/23 23:50	RS1	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5
Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/21/23 00:01	RS1	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10
Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.27 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/21/23 00:11	RS1	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.12 g	10.0 mL	668262	04/17/23 19:45	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	669045	04/21/23 00:21	RS1	EET SAC
	Instrument ID: A24									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
6:2 FTS	**0.093**	**J B**	0.19	0.026	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	04/17/23 19:45	04/20/23 23:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C5 PFPeA	*77*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C2 PFHxA	*92*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C4 PFHpA	*95*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C4 PFOA	*88*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C5 PFNA	*82*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C2 PFDA	*79*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C2 PFUnA	*78*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C2 PFDoA	*80*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C3 PFBS	*52*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
18O2 PFHxS	*45*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C4 PFOS	*57*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
13C8 FOSA	*84*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
M2-6:2 FTS	*66*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*
M2-8:2 FTS	*60*		*25 - 150*	*04/17/23 19:45*	*04/20/23 23:50*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5
Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
6:2 FTS	**0.033**	**J B**	0.19	0.026	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	04/17/23 19:45	04/21/23 00:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C5 PFPeA	*74*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C2 PFHxA	*87*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C4 PFHpA	*89*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C4 PFOA	*80*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C5 PFNA	*82*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C2 PFDA	*82*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C2 PFUnA	*76*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C2 PFDoA	*77*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C3 PFBS	*61*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
18O2 PFHxS	*52*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C4 PFOS	*61*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
13C8 FOSA	*82*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
M2-6:2 FTS	*62*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*
M2-8:2 FTS	*57*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:01*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10
Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.030	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.021	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.029	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.020	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.028	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.042	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.032	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.022	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
6:2 FTS	ND		0.20	0.026	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1
8:2 FTS	ND		0.20	0.034	ug/Kg	☼	04/17/23 19:45	04/21/23 00:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C5 PFPeA	*72*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C2 PFHxA	*81*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C4 PFHpA	*84*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C4 PFOA	*80*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C5 PFNA	*77*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C2 PFDA	*78*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C2 PFUnA	*81*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C2 PFDoA	*72*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C3 PFBS	*48*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
18O2 PFHxS	*44*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C4 PFOS	*51*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
13C8 FOSA	*80*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
d3-NMeFOSAA	*61*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
d5-NEtFOSAA	*68*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
M2-6:2 FTS	*46*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*
M2-8:2 FTS	*58*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:11*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
6:2 FTS	**0.076**	**J B**	0.20	0.027	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	04/17/23 19:45	04/21/23 00:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C5 PFPeA	*70*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C2 PFHxA	*82*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C4 PFHpA	*86*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C4 PFOA	*77*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C5 PFNA	*77*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C2 PFDA	*79*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C2 PFUnA	*73*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C2 PFDoA	*76*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C3 PFBS	*44*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
18O2 PFHxS	*43*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C4 PFOS	*45*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
13C8 FOSA	*77*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
d3-NMeFOSAA	*62*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
d5-NEtFOSAA	*62*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
M2-6:2 FTS	*46*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*
M2-8:2 FTS	*45*		*25 - 150*	*04/17/23 19:45*	*04/21/23 00:21*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-668262/1-A
Matrix: Solid
Analysis Batch: 669045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
Perfluorooctanesulfonamide (FOSA)	0.0696	J	0.20	0.033	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
6:2 FTS	0.0507	J	0.20	0.027	ug/Kg		04/17/23 19:45	04/20/23 21:37	1
8:2 FTS	ND		0.20	0.035	ug/Kg		04/17/23 19:45	04/20/23 21:37	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C5 PFPeA	*96*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFHxA	*95*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C4 PFHpA	*107*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C4 PFOA	*96*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C5 PFNA	*93*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFDA	*92*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFUnA	*99*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFDoA	*86*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C2 PFTeDA	*103*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C3 PFBS	*100*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
18O2 PFHxS	*91*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C4 PFOS	*93*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
13C8 FOSA	*100*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*04/17/23 19:45*	*04/20/23 21:37*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-668262/2-A
Matrix: Solid
Analysis Batch: 669045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.04		ug/Kg		102	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.86		ug/Kg		93	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.51		ug/Kg		125	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.10		ug/Kg		105	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.32		ug/Kg		116	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.36		ug/Kg		118	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.30		ug/Kg		115	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.16		ug/Kg		108	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.19		ug/Kg		110	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.09		ug/Kg		105	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.95		ug/Kg		110	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.92		ug/Kg		105	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.93		ug/Kg		101	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.96		ug/Kg		105	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.23		ug/Kg		115	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.16		ug/Kg		108	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.13		ug/Kg		107	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.01		ug/Kg		100	72 - 132
6:2 FTS	1.90	1.82		ug/Kg		95	73 - 139
8:2 FTS	1.92	1.98		ug/Kg		103	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*78*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*80*		*25 - 150*
13C2 PFDoA	*84*		*25 - 150*
13C2 PFTeDA	*89*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*76*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*92*		*25 - 150*
d5-NEtFOSAA	*97*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-668262/2-A
Matrix: Solid
Analysis Batch: 669045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668262

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	95		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 668262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	SHAKE	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	SHAKE	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	SHAKE	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	SHAKE	
MB 320-668262/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-668262/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 669045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	537 (modified)	668262
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	537 (modified)	668262
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	537 (modified)	668262
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	537 (modified)	668262
MB 320-668262/1-A	Method Blank	Total/NA	Solid	537 (modified)	668262
LCS 320-668262/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	668262

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

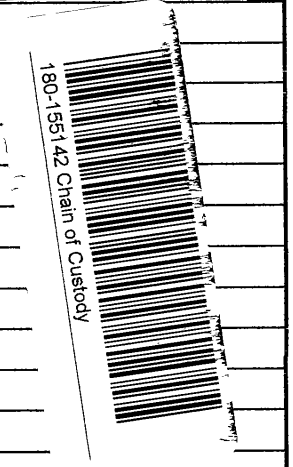
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B33	4/14/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B34	4/14/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B35	4/14/23	1510	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-HR-B36	4/14/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B37	4/14/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B38	4/14/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP296	4/14/23	-	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B39	4/14/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B40	4/14/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B41	4/14/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B42	4/14/23	1545	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B43	4/14/23	1550	G	S	N	N	X	X	X	X									6	



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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/15/23 0907	Company: FEDEX
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

4/27/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN08321
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N									
SSHS-IRM5A2-HR-B44	4/14/23	1555	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B45	4/14/23	1600	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP297	4/14/23	-	G	S	N	N	X	X	X	X										6	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/15/23 0917	Company: EBI/TMC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

4/27/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-155142 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercur	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B33	4/14/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B34	4/14/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B35	4/14/23	1510	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-HR-B36	4/14/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B37	4/14/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B38	4/14/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP296	4/14/23	-	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B39	4/14/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B40	4/14/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B41	4/14/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B42	4/14/23	1545	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B43	4/14/23	1550	G	S	N	N	X	X	X	X									6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 15:30	Company: Geosyntec	Received by:	Date/Time: 4/15/23 900	Company: EESA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

4/27/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B44	4/14/23	1555	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B45	4/14/23	1600	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP297	4/14/23	-	G	S	N	N	X	X	X	X										6	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/14/23 - 900	Company: ESTSM
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

180-155142 Field Sheet

Job: _____

Tracking # : 7717-8830-9689

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-09 Corr. Factor: (+ / -) 0 °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 4.8 °C Corrected: 4.8 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☑	☐

Initials: JLT Date: 4/15/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

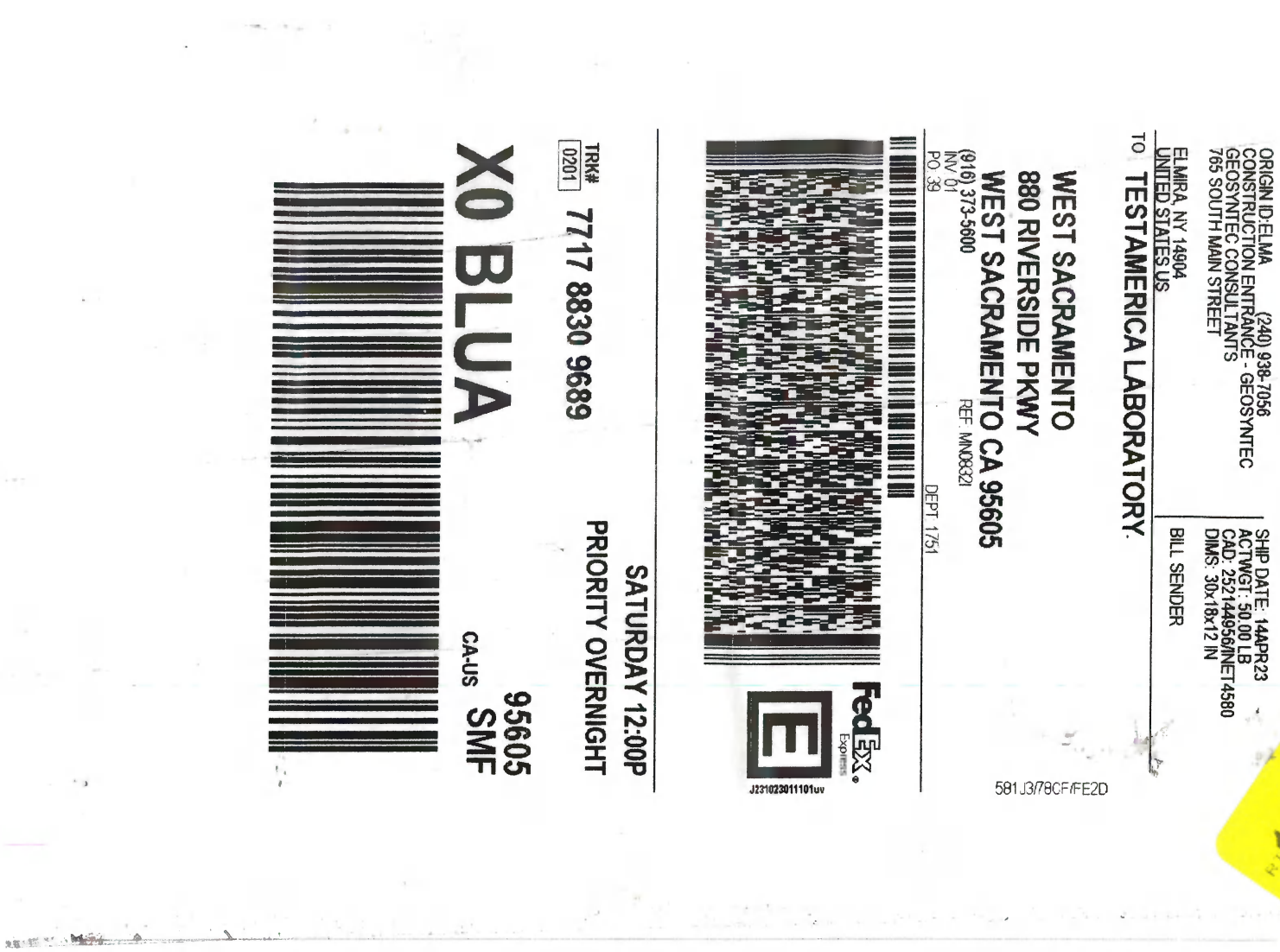
Initials: _____ Date: 4.15.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: _____ Date: 4.14.23



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155142-2

Login Number: 155142
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/27/2023 3:56:39 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154374-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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4/27/2023 3:56:39 PM

Authorized for release by
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Job ID: 180-154374-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154374-1

Receipt
The samples were received on 3/31/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.7º C, 4.7º C, 4.9º C, 5.3º C and 5.4º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 4-Bromofluorobenzene was above the control limits for the following sample: SSHS-IRM5A2-MSA-B49 (180-154374-9). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The recovery of surrogate Dibromofluoromethane was above the control limits for the following sample: SSHS-IRM5A2-MSA-B50 (180-154374-10). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 was above the control limits for the following samples: SSHS-IRM5A2-MSA-B51 (180-154374-11) and SSHS-IRM5A2-MSA-B52 (180-154374-12). As the surrogate was high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-431516 recovered above the control limits for the following analyte: Dichlorodifluoromethane. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-431668 recovered above the control limits for the following analytes: Dichlorodifluoromethane and/or Methyl acetate. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-432181 recovered above the control limits for the following analyte: Methyl acetate. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B54 (180-154374-14) had the recoveries of Dichlorodifluoromethane and Methyl acetate above the control limits. The RPDs between the spikes were within the control limits.

Method 8260: The continuing calibration verification (CCV) analyzed in batch 180-431516 was above criteria for the following analytes: Dichlorodifluoromethane, Chloromethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431668 was above criteria for the following analyte: Carbon disulfide, Acetone, Dichlorodifluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431668 was below criteria for the following analyte: 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431744 was below criteria for the following analytes: Carbon disulfide, 2-Hexanone, Cyclohexane, Vinyl chloride, Acetone, Chloroethane, Dichlorodifluoromethane, Chloromethane, 2-Butanone and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431744 was above criteria for the following analyte:

Job ID: 180-154374-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432181 was above criteria for the following analytes: Dichlorodifluoromethane and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432181 was below criteria for the following analyte: Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-431822 was above criteria for the following analyte: Hexachlorobutadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-431195 (CCVIS 180-431195/28) was above criteria for aroclor 1260 on column RTX-CLP1. As the CCV was high and aroclor 1260 was not detected in the associated samples on either column, the results were reported.

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

Metals

Method 6010C: The following samples were diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-MSA-B46 (180-154374-5) and SSHS-IRM5A2-DUP292 (180-154374-19) and its matrix spikes. Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, and thallium were also reported from dilution due to interelement corrections associated with iron.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B54 (180-154374-14) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-DUP292 (180-154374-19) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B58 (180-154374-18) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154374-1	SSHS-IRM5A2-MSA-B42	Solid	03/30/23 13:00	03/31/23 09:18
180-154374-2	SSHS-IRM5A2-MSA-B43	Solid	03/30/23 13:05	03/31/23 09:18
180-154374-3	SSHS-IRM5A2-MSA-B44	Solid	03/30/23 13:10	03/31/23 09:18
180-154374-4	SSHS-IRM5A2-MSA-B45	Solid	03/30/23 13:15	03/31/23 09:18
180-154374-5	SSHS-IRM5A2-MSA-B46	Solid	03/30/23 13:20	03/31/23 09:18
180-154374-6	SSHS-IRM5A2-MSA-B47	Solid	03/30/23 13:25	03/31/23 09:18
180-154374-7	SSHS-IRM5A2-MSA-B48	Solid	03/30/23 13:30	03/31/23 09:18
180-154374-8	SSHS-IRM5A2-DUP291	Solid	03/30/23 00:00	03/31/23 09:18
180-154374-9	SSHS-IRM5A2-MSA-B49	Solid	03/30/23 13:35	03/31/23 09:18
180-154374-10	SSHS-IRM5A2-MSA-B50	Solid	03/30/23 13:40	03/31/23 09:18
180-154374-11	SSHS-IRM5A2-MSA-B51	Solid	03/30/23 13:45	03/31/23 09:18
180-154374-12	SSHS-IRM5A2-MSA-B52	Solid	03/30/23 13:50	03/31/23 09:18
180-154374-13	SSHS-IRM5A2-MSA-B53	Solid	03/30/23 13:55	03/31/23 09:18
180-154374-14	SSHS-IRM5A2-MSA-B54	Solid	03/30/23 14:00	03/31/23 09:18
180-154374-15	SSHS-IRM5A2-MSA-B55	Solid	03/30/23 14:05	03/31/23 09:18
180-154374-16	SSHS-IRM5A2-MSA-B56	Solid	03/30/23 14:10	03/31/23 09:18
180-154374-17	SSHS-IRM5A2-MSA-B57	Solid	03/30/23 14:15	03/31/23 09:18
180-154374-18	SSHS-IRM5A2-MSA-B58	Solid	03/30/23 14:20	03/31/23 09:18
180-154374-19	SSHS-IRM5A2-DUP292	Solid	03/30/23 00:00	03/31/23 09:18
180-154374-20	SSHS-IRM5A2-MSA-B59	Solid	03/30/23 14:25	03/31/23 09:18

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B42
Lab Sample ID: 180-154374-1
Date Collected: 03/30/23 13:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B42
Lab Sample ID: 180-154374-1
Date Collected: 03/30/23 13:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3306 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 13:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431791	04/10/23 19:33	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.4 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 21:40	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.79 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:04	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2
Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2
Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1346 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 14:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431791	04/10/23 19:55	VVP	EET PIT
	Instrument ID: CH71									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2
Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 21:59	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.66 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:09	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:51	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3
Date Collected: 03/30/23 13:10
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3
Date Collected: 03/30/23 13:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1628 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 14:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431791	04/10/23 20:17	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.3 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 22:18	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.54 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:14	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:52	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2264 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 14:46	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431791	04/10/23 20:38	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.1 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 22:36	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.83 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:19	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:53	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5
Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5
Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2349 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 16:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 13:26	VVP	EET PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5
Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 22:55	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.92 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:24	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.92 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433149	04/22/23 03:30	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:54	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6
Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6
Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3045 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 16:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 13:48	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 23:14	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.81 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:35	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:59	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7
Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7
Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0034 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 17:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 14:10	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 23:32	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.84 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:40	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:00	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1679 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 17:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 14:31	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 23:51	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.69 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 03:45	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:01	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9
Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9
Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3165 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 18:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 14:53	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 00:10	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.93 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:00	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:02	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10
Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10
Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1648 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 18:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 15:15	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 00:28	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.79 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:05	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11
Date Collected: 03/30/23 13:45
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11
Date Collected: 03/30/23 13:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1164 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 18:55	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 15:36	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11
Date Collected: 03/30/23 13:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 00:47	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.66 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:10	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B52
Lab Sample ID: 180-154374-12
Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B52
Lab Sample ID: 180-154374-12
Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 19:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 15:58	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 01:06	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.60 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:15	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:05	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B53
Lab Sample ID: 180-154374-13
Date Collected: 03/30/23 13:55
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B53
Lab Sample ID: 180-154374-13
Date Collected: 03/30/23 13:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4625 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 19:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 16:19	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 01:24	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.59 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:20	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:06	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1164 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 12:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431791	04/10/23 18:28	VVP	EET PIT
	Instrument ID: CH71									

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14

Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/04/23 20:07	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.70 g	50 mL	431272	04/04/23 11:46	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432570	04/17/23 21:38	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.49 g	50 mL	432623	04/18/23 10:54	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 13:19	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 10:47	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15

Date Collected: 03/30/23 14:05
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15

Date Collected: 03/30/23 14:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2305 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 13:08	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 16:41	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.5 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 01:43	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.89 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:30	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16
Date Collected: 03/30/23 14:10
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16
Date Collected: 03/30/23 14:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2652 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 12:46	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 17:03	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 02:02	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.52 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:36	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17
Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17
Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0203 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 12:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 17:24	VVP	EET PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17
Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 02:20	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.87 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 04:41	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:12	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18
Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18
Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	431630	04/06/23 15:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 16:21	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 17:46	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 02:39	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.93 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 18:02	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:13	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431137	04/03/23 11:58	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0024 g	5 mL	431630	04/06/23 17:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 18:07	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 18:08	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 02:58	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.72 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 09:42	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.72 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		2			432977	04/20/23 11:59	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:14	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0326 g	5 mL	431630	04/06/23 17:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 18:30	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20

Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	431775	04/10/23 05:53	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431822	04/10/23 18:29	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	431069	04/03/23 06:41	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431200	04/04/23 05:17	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431201	04/04/23 05:18	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431195	04/05/23 03:16	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.77 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:07	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432674	04/21/23 10:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:15	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JBP = Jack Prothero
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VJC = Vincent Cervone

Batch Type: Analysis
- ELS = Edwin Shireman
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- RJG = Rob Good
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B42
Lab Sample ID: 180-154374-1
Date Collected: 03/30/23 13:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Bromoform	ND		4.9	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
cis-1,3-Dichloropropene	ND		4.9	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Methyl acetate	ND	*+	24	7.1	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
o-Xylene	ND		4.9	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Tetrachloroethene	ND		4.9	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B42
Lab Sample ID: 180-154374-1
Date Collected: 03/30/23 13:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/13/23 07:22	04/13/23 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/13/23 07:22*	*04/13/23 13:39*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/13/23 07:22*	*04/13/23 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*04/13/23 07:22*	*04/13/23 13:39*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/13/23 07:22*	*04/13/23 13:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Acetophenone	ND		690	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Anthracene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Atrazine	ND		690	150	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Carbazole	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Chrysene	ND		69	38	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1

Client Sample ID: SSHS-IRM5A2-MSA-B42
Lab Sample ID: 180-154374-1
Date Collected: 03/30/23 13:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Fluorene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Naphthalene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Phenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
Pyrene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/10/23 05:53*	*04/10/23 19:33*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*04/10/23 05:53*	*04/10/23 19:33*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*04/10/23 05:53*	*04/10/23 19:33*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*04/10/23 05:53*	*04/10/23 19:33*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*04/10/23 05:53*	*04/10/23 19:33*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/10/23 05:53*	*04/10/23 19:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1

Client Sample ID: SSHS-IRM5A2-MSA-B42
Lab Sample ID: 180-154374-1
Date Collected: 03/30/23 13:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	5.9	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/04/23 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/03/23 06:41*	*04/04/23 21:40*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/03/23 06:41*	*04/04/23 21:40*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*04/03/23 06:41*	*04/04/23 21:40*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*04/03/23 06:41*	*04/04/23 21:40*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		13	3.3	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Antimony	ND		0.65	0.20	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Arsenic	**8.7**		0.65	0.41	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Barium	**71**		13	2.3	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Beryllium	**0.39**		0.26	0.071	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Cadmium	**0.57**		0.33	0.048	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Calcium	**3300**		330	42	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Chromium	**11**		0.33	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Cobalt	**11**		3.3	0.46	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Copper	**15**		1.6	0.99	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Iron	**23000**		6.5	6.4	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Lead	**15**		0.65	0.57	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Magnesium	**3100**		330	36	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Manganese	**470**		0.98	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Nickel	**20**		2.6	0.33	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Potassium	**740**		330	56	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Selenium	ND		0.65	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Silver	ND		0.33	0.068	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Sodium	**40**	**J**	330	34	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Thallium	**0.34**	**J**	1.3	0.19	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Vanadium	**15**		3.3	0.52	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1
Zinc	**51**	**B**	1.3	0.95	mg/Kg	☼	04/10/23 08:17	04/22/23 03:04	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 10:45	04/24/23 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.3**		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	**96.7**		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2
Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2
Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
2-Butanone (MEK)	ND		5.0	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Toluene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2

Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/13/23 07:22*	*04/13/23 14:01*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*04/13/23 07:22*	*04/13/23 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*04/13/23 07:22*	*04/13/23 14:01*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*04/13/23 07:22*	*04/13/23 14:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Acetophenone	ND		690	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Anthracene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Atrazine	ND		690	150	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Carbazole	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Chrysene	ND		69	38	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2

Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Fluorene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Naphthalene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Phenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
Pyrene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*44 - 105*	*04/10/23 05:53*	*04/10/23 19:55*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*04/10/23 05:53*	*04/10/23 19:55*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*04/10/23 05:53*	*04/10/23 19:55*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/10/23 05:53*	*04/10/23 19:55*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*04/10/23 05:53*	*04/10/23 19:55*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*04/10/23 05:53*	*04/10/23 19:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/04/23 21:59	1

Client Sample ID: SSHS-IRM5A2-MSA-B43
Lab Sample ID: 180-154374-2

Date Collected: 03/30/23 13:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/03/23 06:41*	*04/04/23 21:59*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*04/03/23 06:41*	*04/04/23 21:59*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*04/03/23 06:41*	*04/04/23 21:59*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*04/03/23 06:41*	*04/04/23 21:59*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		16	3.9	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Antimony	ND		0.78	0.24	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Arsenic	**8.1**		0.78	0.49	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Barium	**63**		16	2.8	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Beryllium	**0.28**	**J**	0.31	0.085	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Cadmium	**0.46**		0.39	0.058	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Calcium	**2600**		390	51	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Chromium	**9.3**		0.39	0.36	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Cobalt	**7.9**		3.9	0.55	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Copper	**10**		2.0	1.2	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Iron	**19000**		7.8	7.6	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Lead	**8.4**		0.78	0.68	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Magnesium	**2600**		390	43	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Manganese	**390**		1.2	0.22	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Nickel	**16**		3.1	0.39	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Potassium	**600**		390	67	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Selenium	ND		0.78	0.36	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Silver	ND		0.39	0.082	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Sodium	ND		390	40	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Thallium	**0.41**	**J**	1.6	0.22	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Vanadium	**11**		3.9	0.62	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1
Zinc	**44**	**B**	1.6	1.1	mg/Kg	☼	04/10/23 08:17	04/22/23 03:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	04/21/23 10:45	04/24/23 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.3**		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	**96.7**		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3

Date Collected: 03/30/23 13:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3
Date Collected: 03/30/23 13:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Methyl acetate	ND	*+	26	7.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:24	1

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3

Date Collected: 03/30/23 13:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*04/13/23 07:22*	*04/13/23 14:24*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*04/13/23 07:22*	*04/13/23 14:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*04/13/23 07:22*	*04/13/23 14:24*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/13/23 07:22*	*04/13/23 14:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Acetophenone	ND		700	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Anthracene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Atrazine	ND		700	150	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Carbazole	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Chrysene	ND		70	39	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Fluorene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3

Date Collected: 03/30/23 13:10
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Naphthalene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Phenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
Pyrene	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*04/10/23 05:53*	*04/10/23 20:17*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*04/10/23 05:53*	*04/10/23 20:17*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*04/10/23 05:53*	*04/10/23 20:17*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*04/10/23 05:53*	*04/10/23 20:17*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/10/23 05:53*	*04/10/23 20:17*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/10/23 05:53*	*04/10/23 20:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/03/23 06:41*	*04/04/23 22:18*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/03/23 06:41*	*04/04/23 22:18*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*04/03/23 06:41*	*04/04/23 22:18*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B44
Lab Sample ID: 180-154374-3
Date Collected: 03/30/23 13:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	100		55 - 135	04/03/23 06:41	04/04/23 22:18	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		20	4.9	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Antimony	0.34	J	0.98	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Arsenic	11		0.98	0.61	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Barium	84		20	3.5	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Beryllium	0.43		0.39	0.11	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Cadmium	3.3		0.49	0.072	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Calcium	16000		490	63	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Chromium	13		0.49	0.44	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Cobalt	10		4.9	0.69	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Copper	18		2.4	1.5	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Iron	26000		9.8	9.5	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Lead	13		0.98	0.85	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Magnesium	3500		490	54	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Manganese	610		1.5	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Nickel	22		3.9	0.49	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Potassium	940		490	83	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Selenium	ND		0.98	0.45	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Silver	ND		0.49	0.10	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Sodium	78	J	490	50	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Thallium	0.59	J	2.0	0.28	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Vanadium	15		4.9	0.77	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1
Zinc	85	B	2.0	1.4	mg/Kg	☼	04/10/23 08:17	04/22/23 03:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 10:45	04/24/23 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.3		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	94.7		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Methyl acetate	ND	*+	26	7.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/13/23 07:22	04/13/23 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*04/13/23 07:22*	*04/13/23 14:46*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/13/23 07:22*	*04/13/23 14:46*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*	*04/13/23 07:22*	*04/13/23 14:46*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*04/13/23 07:22*	*04/13/23 14:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Acetophenone	ND		720	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Anthracene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Atrazine	ND		720	160	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Carbazole	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Chrysene	ND		72	40	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Fluorene	ND		72	14	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Naphthalene	ND		72	14	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
Pyrene	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/10/23 05:53*	*04/10/23 20:38*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*04/10/23 05:53*	*04/10/23 20:38*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/10/23 05:53*	*04/10/23 20:38*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/10/23 05:53*	*04/10/23 20:38*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*04/10/23 05:53*	*04/10/23 20:38*	*1*
2,4,6-Tribromophenol (Surr)	*44*		*34 - 108*	*04/10/23 05:53*	*04/10/23 20:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/04/23 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/03/23 06:41*	*04/04/23 22:36*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*04/03/23 06:41*	*04/04/23 22:36*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*04/03/23 06:41*	*04/04/23 22:36*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*04/03/23 06:41*	*04/04/23 22:36*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B45
Lab Sample ID: 180-154374-4
Date Collected: 03/30/23 13:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.3

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4800		13	3.2	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Antimony	0.25	J	0.65	0.20	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Arsenic	2.5		0.65	0.40	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Barium	26		13	2.3	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Beryllium	0.13	J	0.26	0.070	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Cadmium	0.29	J	0.32	0.047	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Calcium	820		320	42	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Chromium	5.7		0.32	0.29	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Cobalt	4.0		3.2	0.45	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Copper	12		1.6	0.98	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Iron	12000		6.5	6.3	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Lead	3.0		0.65	0.56	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Magnesium	1700		320	35	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Manganese	120		0.97	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Nickel	9.3		2.6	0.33	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Potassium	280	J	320	55	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Selenium	ND		0.65	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Silver	ND		0.32	0.067	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Sodium	ND		320	33	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Thallium	0.37	J	1.3	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Vanadium	7.2		3.2	0.51	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1
Zinc	29	B	1.3	0.94	mg/Kg	☼	04/10/23 08:17	04/22/23 03:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/21/23 10:45	04/24/23 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.7		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	93.3		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5
Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5
Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/13/23 07:22*	*04/13/23 16:17*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/13/23 07:22*	*04/13/23 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*04/13/23 07:22*	*04/13/23 16:17*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/13/23 07:22*	*04/13/23 16:17*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5

Date Collected: 03/30/23 13:20
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Acetophenone	ND		710	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Anthracene	ND		71	18	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Atrazine	ND		710	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Carbazole	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Chrysene	ND		71	39	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Fluorene	ND		71	14	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5

Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Naphthalene	ND		71	14	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
Pyrene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/10/23 05:53*	*04/10/23 13:26*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*04/10/23 05:53*	*04/10/23 13:26*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*04/10/23 05:53*	*04/10/23 13:26*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/10/23 05:53*	*04/10/23 13:26*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/10/23 05:53*	*04/10/23 13:26*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*04/10/23 05:53*	*04/10/23 13:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1260	ND		18	5.1	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1262	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/04/23 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/03/23 06:41*	*04/04/23 22:55*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/03/23 06:41*	*04/04/23 22:55*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/03/23 06:41*	*04/04/23 22:55*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*04/03/23 06:41*	*04/04/23 22:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		12	3.0	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Antimony	**0.23**	**J**	0.59	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1

Client Sample ID: SSHS-IRM5A2-MSA-B46
Lab Sample ID: 180-154374-5
Date Collected: 03/30/23 13:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		3.0	1.9	mg/Kg	☼	04/10/23 08:17	04/22/23 03:30	5
Barium	88		12	2.1	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Beryllium	0.45		0.24	0.065	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Cadmium	0.68	J	1.5	0.22	mg/Kg	☼	04/10/23 08:17	04/22/23 03:30	5
Calcium	3100		300	38	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Chromium	13		0.30	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Cobalt	11		3.0	0.42	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Copper	19		1.5	0.89	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Iron	31000		30	29	mg/Kg	☼	04/10/23 08:17	04/22/23 03:30	5
Lead	14		3.0	2.6	mg/Kg	☼	04/10/23 08:17	04/22/23 03:30	5
Magnesium	3700		300	33	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Manganese	430		0.89	0.16	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Nickel	24		2.4	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Potassium	990		300	50	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Selenium	ND		0.59	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Silver	ND		0.30	0.062	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Sodium	45	J	300	30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Thallium	1.3	J	5.9	0.84	mg/Kg	☼	04/10/23 08:17	04/22/23 03:30	5
Vanadium	15		3.0	0.47	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1
Zinc	59	B	1.2	0.86	mg/Kg	☼	04/10/23 08:17	04/22/23 03:24	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.3		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	91.7		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6
Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Benzene	ND		5.4	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6
Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Methyl acetate	ND	*+	27	8.0	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Styrene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Toluene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	04/13/23 07:22	04/13/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/13/23 07:22*	*04/13/23 16:39*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/13/23 07:22*	*04/13/23 16:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*04/13/23 07:22*	*04/13/23 16:39*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/13/23 07:22*	*04/13/23 16:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6
Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		75	16	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Acetophenone	ND		750	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Anthracene	ND		75	19	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Atrazine	ND		750	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Benzaldehyde	ND		750	47	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Benzo[a]pyrene	ND		75	33	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Benzo[k]fluoranthene	ND		75	23	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Carbazole	ND		75	18	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Chrysene	ND		75	42	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Dibenzofuran	ND		370	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Fluoranthene	ND		75	20	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Fluorene	ND		75	15	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Hexachloroethane	ND		370	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Isophorone	ND		370	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2-Methylphenol	ND		370	110	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6
Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		75	15	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Nitrobenzene	ND		750	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Phenanthrene	ND		75	20	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Phenol	ND		370	110	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
Pyrene	ND		75	18	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	04/10/23 05:53	04/10/23 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*04/10/23 05:53*	*04/10/23 13:48*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*04/10/23 05:53*	*04/10/23 13:48*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/10/23 05:53*	*04/10/23 13:48*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/10/23 05:53*	*04/10/23 13:48*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 105*	*04/10/23 05:53*	*04/10/23 13:48*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/10/23 05:53*	*04/10/23 13:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1221	ND		19	6.8	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1232	ND		19	4.7	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1242	ND		19	2.8	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1248	ND		19	4.6	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1254	ND		19	5.7	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1260	ND		19	5.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1262	ND		19	6.7	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1
PCB-1268	ND		19	2.6	ug/Kg	☼	04/03/23 06:41	04/04/23 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*04/03/23 06:41*	*04/04/23 23:14*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/04/23 23:14*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*04/03/23 06:41*	*04/04/23 23:14*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*04/03/23 06:41*	*04/04/23 23:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		14	3.5	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Antimony	**0.26**	**J**	0.71	0.21	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Arsenic	**10**		0.71	0.44	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1

Client Sample ID: SSHS-IRM5A2-MSA-B47
Lab Sample ID: 180-154374-6

Date Collected: 03/30/23 13:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	87		14	2.5	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Beryllium	0.43		0.28	0.077	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Cadmium	0.68		0.35	0.052	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Calcium	3400		350	46	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Chromium	14		0.35	0.32	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Cobalt	12		3.5	0.50	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Copper	34		1.8	1.1	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Iron	27000		7.1	6.9	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Lead	13		0.71	0.62	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Magnesium	3700		350	39	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Manganese	940		1.1	0.20	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Nickel	24		2.8	0.36	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Potassium	760		350	60	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Selenium	0.37	J	0.71	0.33	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Silver	ND		0.35	0.074	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Sodium	46	J	350	36	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Thallium	0.58	J	1.4	0.20	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Vanadium	16		3.5	0.56	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1
Zinc	62	B	1.4	1.0	mg/Kg	☼	04/10/23 08:17	04/22/23 03:35	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.9		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	87.1		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7

Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7
Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Dichlorodifluoromethane	ND		5.5	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Methyl acetate	ND	*+	28	8.1	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/13/23 07:22*	*04/13/23 17:24*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*04/13/23 07:22*	*04/13/23 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*04/13/23 07:22*	*04/13/23 17:24*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/13/23 07:22*	*04/13/23 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7
Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		720	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Anthracene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Atrazine	ND		720	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Carbazole	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Chrysene	ND		72	40	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Fluorene	ND		72	14	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Naphthalene	ND		72	14	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7

Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
Pyrene	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*04/10/23 05:53*	*04/10/23 14:10*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*04/10/23 05:53*	*04/10/23 14:10*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*04/10/23 05:53*	*04/10/23 14:10*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/10/23 05:53*	*04/10/23 14:10*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 105*	*04/10/23 05:53*	*04/10/23 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*04/10/23 05:53*	*04/10/23 14:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1221	ND		18	6.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/04/23 23:32*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*04/03/23 06:41*	*04/04/23 23:32*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*04/03/23 06:41*	*04/04/23 23:32*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*04/03/23 06:41*	*04/04/23 23:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		13	3.3	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Antimony	ND		0.66	0.20	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Arsenic	**9.0**		0.66	0.41	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Barium	**75**		13	2.3	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1

Client Sample ID: SSHS-IRM5A2-MSA-B48
Lab Sample ID: 180-154374-7

Date Collected: 03/30/23 13:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.40		0.26	0.072	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Cadmium	0.59		0.33	0.048	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Calcium	2500		330	43	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Chromium	12		0.33	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Cobalt	9.6		3.3	0.46	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Copper	16		1.6	1.0	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Iron	24000		6.6	6.4	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Lead	11		0.66	0.57	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Magnesium	3300		330	36	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Manganese	350		0.99	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Nickel	21		2.6	0.33	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Potassium	670		330	56	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Selenium	ND		0.66	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Silver	ND		0.33	0.069	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Sodium	42	J	330	34	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Thallium	0.39	J	1.3	0.19	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Vanadium	14		3.3	0.52	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1
Zinc	54	B	1.3	0.96	mg/Kg	☼	04/10/23 08:17	04/22/23 03:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.023	mg/Kg	☼	04/21/23 10:45	04/24/23 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.7		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	90.3		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8

Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Benzene	ND		5.4	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Methyl acetate	ND	*+	27	7.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Styrene	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Toluene	ND		5.4	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	04/13/23 07:22	04/13/23 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*04/13/23 07:22*	*04/13/23 17:47*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*04/13/23 07:22*	*04/13/23 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*04/13/23 07:22*	*04/13/23 17:47*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*	*04/13/23 07:22*	*04/13/23 17:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Acetophenone	ND		740	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		74	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Atrazine	ND		740	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Carbazole	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Chrysene	ND		74	41	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Fluoranthene	ND		74	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Fluorene	ND		74	14	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Isophorone	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Naphthalene	ND		74	14	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Phenol	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
Pyrene	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*04/10/23 05:53*	*04/10/23 14:31*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*04/10/23 05:53*	*04/10/23 14:31*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*04/10/23 05:53*	*04/10/23 14:31*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*04/10/23 05:53*	*04/10/23 14:31*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 105*	*04/10/23 05:53*	*04/10/23 14:31*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*04/10/23 05:53*	*04/10/23 14:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1221	ND		18	6.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/04/23 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/03/23 06:41*	*04/04/23 23:51*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*04/03/23 06:41*	*04/04/23 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*04/03/23 06:41*	*04/04/23 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*04/03/23 06:41*	*04/04/23 23:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5600**		16	4.0	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Antimony	**0.29**	**J**	0.81	0.24	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Arsenic	**6.9**		0.81	0.51	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Barium	**52**		16	2.9	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Beryllium	**0.24**	**J**	0.32	0.088	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1

Client Sample ID: SSHS-IRM5A2-DUP291
Lab Sample ID: 180-154374-8
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.37	J	0.40	0.059	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Calcium	2000		400	52	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Chromium	7.6		0.40	0.37	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Cobalt	6.0		4.0	0.57	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Copper	11		2.0	1.2	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Iron	16000		8.1	7.8	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Lead	9.1		0.81	0.70	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Magnesium	2000		400	44	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Manganese	270		1.2	0.22	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Nickel	12		3.2	0.41	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Potassium	290	J	400	69	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Selenium	ND		0.81	0.37	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Silver	ND		0.40	0.084	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Sodium	ND		400	41	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Thallium	0.48	J	1.6	0.23	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Vanadium	8.9		4.0	0.64	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1
Zinc	38	B	1.6	1.2	mg/Kg	☼	04/10/23 08:17	04/22/23 03:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.1		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	89.9		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9
Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9
Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Methyl acetate	ND	*+	25	7.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*60 - 124*	*04/13/23 07:22*	*04/13/23 18:10*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*04/13/23 07:22*	*04/13/23 18:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*04/13/23 07:22*	*04/13/23 18:10*	*1*
Toluene-d8 (Surr)	*117*		*67 - 134*	*04/13/23 07:22*	*04/13/23 18:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Acetophenone	ND		710	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Anthracene	ND		71	18	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9
Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		710	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Carbazole	ND		71	16	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Chrysene	ND		71	39	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Fluorene	ND		71	14	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Naphthalene	ND		71	14	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9

Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
Pyrene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*04/10/23 05:53*	*04/10/23 14:53*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/10/23 05:53*	*04/10/23 14:53*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*04/10/23 05:53*	*04/10/23 14:53*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*04/10/23 05:53*	*04/10/23 14:53*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 105*	*04/10/23 05:53*	*04/10/23 14:53*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*04/10/23 05:53*	*04/10/23 14:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1221	ND		17	6.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1232	ND		17	4.3	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1242	ND		17	2.6	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1260	ND		17	5.0	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/05/23 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*04/03/23 06:41*	*04/05/23 00:10*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*04/03/23 06:41*	*04/05/23 00:10*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*04/03/23 06:41*	*04/05/23 00:10*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*04/03/23 06:41*	*04/05/23 00:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		11	2.8	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Antimony	ND		0.57	0.17	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Arsenic	**6.9**		0.57	0.36	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Barium	**54**		11	2.0	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Beryllium	**0.26**		0.23	0.062	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Cadmium	**0.42**		0.28	0.042	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1

Client Sample ID: SSHS-IRM5A2-MSA-B49
Lab Sample ID: 180-154374-9

Date Collected: 03/30/23 13:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2900		280	37	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Chromium	7.8		0.28	0.26	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Cobalt	6.7		2.8	0.40	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Copper	8.3		1.4	0.86	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Iron	16000		5.7	5.5	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Lead	8.2		0.57	0.49	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Magnesium	2100		280	31	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Manganese	530		0.85	0.16	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Nickel	14		2.3	0.29	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Potassium	620		280	48	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Selenium	0.28	J	0.57	0.26	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Silver	ND		0.28	0.059	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Sodium	32	J	280	29	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Thallium	0.30	J	1.1	0.16	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Vanadium	9.4		2.8	0.45	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1
Zinc	37	B	1.1	0.82	mg/Kg	☼	04/10/23 08:17	04/22/23 04:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 10:45	04/24/23 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.2		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	94.8		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10

Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10
Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Methyl acetate	ND	*+	26	7.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/13/23 07:22*	*04/13/23 18:33*	*1*
Dibromofluoromethane (Surr)	*134*	*S1+*	*69 - 126*	*04/13/23 07:22*	*04/13/23 18:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*04/13/23 07:22*	*04/13/23 18:33*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*04/13/23 07:22*	*04/13/23 18:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Acetophenone	ND		700	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Anthracene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Atrazine	ND		700	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10
Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		700	43	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Carbazole	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Chrysene	ND		70	38	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Fluorene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Indeno[1,2,3-cd]pyrene	ND		70	34	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Naphthalene	ND		70	13	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10

Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Phenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
Pyrene	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*04/10/23 05:53*	*04/10/23 15:15*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*04/10/23 05:53*	*04/10/23 15:15*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/10/23 05:53*	*04/10/23 15:15*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*04/10/23 05:53*	*04/10/23 15:15*	*1*
Terphenyl-d14 (Surr)	*100*		*39 - 105*	*04/10/23 05:53*	*04/10/23 15:15*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*04/10/23 05:53*	*04/10/23 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1221	ND		18	6.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1248	ND		18	4.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/05/23 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/03/23 06:41*	*04/05/23 00:28*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*04/03/23 06:41*	*04/05/23 00:28*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*04/03/23 06:41*	*04/05/23 00:28*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*04/03/23 06:41*	*04/05/23 00:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		13	3.3	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Antimony	**0.20**	**J**	0.67	0.20	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Arsenic	**11**		0.67	0.42	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Barium	**84**		13	2.4	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Beryllium	**0.47**		0.27	0.073	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Cadmium	**0.62**		0.34	0.049	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Calcium	**3800**		340	43	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1

Client Sample ID: SSHS-IRM5A2-MSA-B50
Lab Sample ID: 180-154374-10
Date Collected: 03/30/23 13:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	13		0.34	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Cobalt	11		3.4	0.47	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Copper	20		1.7	1.0	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Iron	25000		6.7	6.5	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Lead	14		0.67	0.58	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Magnesium	3500		340	37	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Manganese	470		1.0	0.19	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Nickel	24		2.7	0.34	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Potassium	990		340	57	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Selenium	ND		0.67	0.31	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Silver	ND		0.34	0.070	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Sodium	48	J	340	34	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Thallium	0.49	J	1.3	0.19	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Vanadium	15		3.4	0.53	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1
Zinc	57	B	1.3	0.97	mg/Kg	☼	04/10/23 08:17	04/22/23 04:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 10:45	04/24/23 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.6		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	94.4		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11
Date Collected: 03/30/23 13:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Chloromethane	ND		5.2	2.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11

Date Collected: 03/30/23 13:45
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,4-Dichlorobenzene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Styrene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2,3-Trichlorobenzene	ND		5.2	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/13/23 07:22	04/13/23 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*04/13/23 07:22*	*04/13/23 18:55*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*04/13/23 07:22*	*04/13/23 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*144*	*S1+*	*73 - 135*	*04/13/23 07:22*	*04/13/23 18:55*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*04/13/23 07:22*	*04/13/23 18:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Acetophenone	ND		700	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Anthracene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Atrazine	ND		700	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11
Date Collected: 03/30/23 13:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Carbazole	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Chrysene	ND		70	39	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Fluorene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Naphthalene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11

Date Collected: 03/30/23 13:45
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
Pyrene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*04/10/23 05:53*	*04/10/23 15:36*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*04/10/23 05:53*	*04/10/23 15:36*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*04/10/23 05:53*	*04/10/23 15:36*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/10/23 05:53*	*04/10/23 15:36*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 105*	*04/10/23 05:53*	*04/10/23 15:36*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*04/10/23 05:53*	*04/10/23 15:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1221	ND		17	6.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1232	ND		17	4.3	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1242	ND		17	2.6	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1260	ND		17	5.0	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/05/23 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/05/23 00:47*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*04/03/23 06:41*	*04/05/23 00:47*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*04/03/23 06:41*	*04/05/23 00:47*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*04/03/23 06:41*	*04/05/23 00:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		16	4.0	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Antimony	ND		0.80	0.24	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Arsenic	**9.1**		0.80	0.50	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Barium	**63**		16	2.8	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Beryllium	**0.33**		0.32	0.087	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Cadmium	**0.47**		0.40	0.059	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Calcium	**3300**		400	52	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Chromium	**9.9**		0.40	0.36	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1

Client Sample ID: SSHS-IRM5A2-MSA-B51
Lab Sample ID: 180-154374-11
Date Collected: 03/30/23 13:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	7.7		4.0	0.56	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Copper	13		2.0	1.2	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Iron	20000		8.0	7.8	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Lead	10		0.80	0.70	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Magnesium	2800		400	44	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Manganese	350		1.2	0.22	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Nickel	16		3.2	0.40	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Potassium	540		400	68	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Selenium	ND		0.80	0.37	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Silver	ND		0.40	0.083	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Sodium	ND		400	41	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Thallium	0.38	J	1.6	0.23	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Vanadium	11		4.0	0.63	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1
Zinc	45	B	1.6	1.2	mg/Kg	☼	04/10/23 08:17	04/22/23 04:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.2		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	94.8		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B52
Lab Sample ID: 180-154374-12
Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B52
Lab Sample ID: 180-154374-12
Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/13/23 07:22*	*04/13/23 19:18*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*04/13/23 07:22*	*04/13/23 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*139*	*S1+*	*73 - 135*	*04/13/23 07:22*	*04/13/23 19:18*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/13/23 07:22*	*04/13/23 19:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Acenaphthylene	ND		73	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Acetophenone	ND		730	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Anthracene	ND		73	19	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Atrazine	ND		730	160	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Benzaldehyde	ND		730	45	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B52
Lab Sample ID: 180-154374-12
Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Carbazole	ND		73	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Chrysene	ND		73	40	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Dibenzofuran	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Fluoranthene	ND		73	19	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Fluorene	ND		73	14	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Isophorone	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2-Methylphenol	ND		360	100	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Naphthalene	ND		73	14	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
3-Nitroaniline	ND		1900	92	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Nitrobenzene	ND		730	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B52
Lab Sample ID: 180-154374-12

Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Pentachlorophenol	ND		1900	580	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Phenanthrene	ND		73	20	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Phenol	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
Pyrene	ND		73	17	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/10/23 05:53*	*04/10/23 15:58*	*1*
2-Fluorophenol (Surr)	*57*		*48 - 105*	*04/10/23 05:53*	*04/10/23 15:58*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 105*	*04/10/23 05:53*	*04/10/23 15:58*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*04/10/23 05:53*	*04/10/23 15:58*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*04/10/23 05:53*	*04/10/23 15:58*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*04/10/23 05:53*	*04/10/23 15:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1221	ND		19	6.6	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1232	ND		19	4.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1242	ND		19	2.7	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1248	ND		19	4.4	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1254	ND		19	5.6	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1260	ND		19	5.3	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1262	ND		19	6.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1
PCB-1268	ND		19	2.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/05/23 01:06*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/05/23 01:06*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*04/03/23 06:41*	*04/05/23 01:06*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*04/03/23 06:41*	*04/05/23 01:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		19	4.6	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Antimony	**0.29**	**J**	0.93	0.28	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Arsenic	**7.4**		0.93	0.58	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Barium	**43**		19	3.3	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Beryllium	**0.19**	**J**	0.37	0.10	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Cadmium	**0.30**	**J**	0.46	0.068	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Calcium	**2200**		460	60	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Chromium	**6.5**		0.46	0.42	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Cobalt	**5.0**		4.6	0.65	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1

Client Sample ID: SSHS-IRM5A2-MSA-B52

Lab Sample ID: 180-154374-12
Date Collected: 03/30/23 13:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	7.4		2.3	1.4	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Iron	14000		9.3	9.0	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Lead	5.9		0.93	0.81	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Magnesium	1800		460	51	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Manganese	240		1.4	0.26	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Nickel	10		3.7	0.47	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Potassium	220	J	460	79	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Selenium	ND		0.93	0.43	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Silver	ND		0.46	0.096	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Sodium	ND		460	47	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Thallium	0.48	J	1.9	0.26	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Vanadium	7.3		4.6	0.73	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1
Zinc	33	B	1.9	1.3	mg/Kg	☼	04/10/23 08:17	04/22/23 04:15	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	04/21/23 10:45	04/24/23 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.0		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	90.0		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B53

Lab Sample ID: 180-154374-13
Date Collected: 03/30/23 13:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Benzene	ND		4.7	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Bromomethane	ND		4.7	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
2-Butanone (MEK)	ND		4.7	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Chloroethane	ND		4.7	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Cyclohexane	ND		4.7	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1

Client Sample ID: SSHS-IRM5A2-MSA-B53
Lab Sample ID: 180-154374-13
Date Collected: 03/30/23 13:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Dichlorodifluoromethane	ND		4.7	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2-Dichloropropane	ND		4.7	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,4-Dioxane	ND		950	34	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Ethylbenzene	ND		4.7	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
2-Hexanone	ND		4.7	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Isopropylbenzene	ND		4.7	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Methyl acetate	ND	*+	24	7.0	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Methylene Chloride	ND		4.7	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Styrene	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Toluene	ND		4.7	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
trans-1,2-Dichloroethene	ND		4.7	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,1,2-Trichloroethane	ND		4.7	0.94	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1
Xylenes, Total	ND		9.5	6.8	ug/Kg	☼	04/13/23 07:22	04/13/23 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/13/23 07:22*	*04/13/23 19:40*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/13/23 07:22*	*04/13/23 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*04/13/23 07:22*	*04/13/23 19:40*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*04/13/23 07:22*	*04/13/23 19:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Acetophenone	ND		690	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Anthracene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Atrazine	ND		690	150	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B53
Lab Sample ID: 180-154374-13
Date Collected: 03/30/23 13:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Carbazole	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Chrysene	ND		69	38	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Fluorene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Naphthalene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1

Client Sample ID: SSHS-IRM5A2-MSA-B53
Lab Sample ID: 180-154374-13

Date Collected: 03/30/23 13:55
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Phenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
Pyrene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*04/10/23 05:53*	*04/10/23 16:19*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*04/10/23 05:53*	*04/10/23 16:19*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*04/10/23 05:53*	*04/10/23 16:19*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/10/23 05:53*	*04/10/23 16:19*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 105*	*04/10/23 05:53*	*04/10/23 16:19*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/10/23 05:53*	*04/10/23 16:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/05/23 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*04/03/23 06:41*	*04/05/23 01:24*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/05/23 01:24*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*04/03/23 06:41*	*04/05/23 01:24*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*04/03/23 06:41*	*04/05/23 01:24*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		18	4.4	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Antimony	ND		0.88	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Arsenic	**7.9**		0.88	0.55	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Barium	**85**		18	3.1	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Beryllium	**0.38**		0.35	0.096	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Cadmium	**0.58**		0.44	0.064	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Calcium	**5900**		440	57	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Chromium	**11**		0.44	0.40	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Cobalt	**11**		4.4	0.62	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Copper	**17**		2.2	1.3	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B53
Lab Sample ID: 180-154374-13
Date Collected: 03/30/23 13:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	23000		8.8	8.5	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Lead	29		0.88	0.76	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Magnesium	2800		440	48	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Manganese	680		1.3	0.24	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Nickel	21		3.5	0.44	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Potassium	830		440	75	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Selenium	ND		0.88	0.40	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Silver	ND		0.44	0.091	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Sodium	ND		440	45	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Thallium	0.46	J	1.8	0.25	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Vanadium	13		4.4	0.69	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1
Zinc	49	B	1.8	1.3	mg/Kg	☼	04/10/23 08:17	04/22/23 04:20	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.4		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	96.6		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
2-Butanone (MEK)	ND		5.2	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+ F1	5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Methyl acetate	ND	F1 *+	26	7.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*04/07/23 07:08*	*04/07/23 12:00*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*04/07/23 07:08*	*04/07/23 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*04/07/23 07:08*	*04/07/23 12:00*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*04/07/23 07:08*	*04/07/23 12:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Acetophenone	ND		710	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Anthracene	ND		71	18	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Atrazine	ND		710	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14
Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Carbazole	ND		71	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Chrysene	ND		71	39	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Fluorene	ND		71	14	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Naphthalene	ND		71	14	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14

Date Collected: 03/30/23 14:00
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
Pyrene	ND		71	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/10/23 05:53*	*04/10/23 18:28*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*04/10/23 05:53*	*04/10/23 18:28*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*04/10/23 05:53*	*04/10/23 18:28*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*04/10/23 05:53*	*04/10/23 18:28*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*04/10/23 05:53*	*04/10/23 18:28*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/10/23 05:53*	*04/10/23 18:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1260	ND		18	5.1	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1262	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/04/23 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*04/03/23 06:41*	*04/04/23 20:07*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/03/23 06:41*	*04/04/23 20:07*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*04/03/23 06:41*	*04/04/23 20:07*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/03/23 06:41*	*04/04/23 20:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		15	3.8	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Antimony	ND	F2 F1	1.1	0.33	mg/Kg	☼	04/18/23 10:54	04/20/23 13:19	1
Arsenic	**5.0**		0.76	0.48	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Barium	**54**		15	2.7	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Beryllium	**0.21**	**J**	0.31	0.083	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Cadmium	**0.39**		0.38	0.056	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Calcium	**1700**	**F1**	380	49	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Chromium	**8.5**		0.38	0.35	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Cobalt	**6.1**		3.8	0.54	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Copper	**39**	**F2 F1**	1.9	1.2	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Iron	**17000**		7.6	7.4	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1

Client Sample ID: SSHS-IRM5A2-MSA-B54
Lab Sample ID: 180-154374-14

Date Collected: 03/30/23 14:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.9**		0.76	0.66	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Magnesium	**2200**		380	42	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Manganese	**450**		1.1	0.21	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Nickel	**15**		3.1	0.38	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Potassium	**390**		380	65	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Selenium	ND		0.76	0.35	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Silver	ND		0.38	0.079	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Sodium	**40**	**J**	380	39	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Thallium	**0.27**	**J**	1.5	0.22	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Vanadium	**10**		3.8	0.60	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1
Zinc	**37**	**F1**	1.5	1.1	mg/Kg	☼	04/04/23 11:46	04/17/23 21:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	04/21/23 10:45	04/24/23 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.4**		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	**93.6**		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15

Date Collected: 03/30/23 14:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15

Date Collected: 03/30/23 14:05
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Methyl acetate	ND	*+	25	7.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/07/23 07:08*	*04/07/23 13:08*	*1*
Dibromofluoromethane (Surr)	*125*		*69 - 126*	*04/07/23 07:08*	*04/07/23 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*04/07/23 07:08*	*04/07/23 13:08*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*04/07/23 07:08*	*04/07/23 13:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Acetophenone	ND		690	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Anthracene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Atrazine	ND		690	150	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15
Date Collected: 03/30/23 14:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Caprolactam	ND		1800	220	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Carbazole	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Chrysene	ND		69	38	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Fluorene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Naphthalene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
3-Nitroaniline	ND		1800	87	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15
Date Collected: 03/30/23 14:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Phenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
Pyrene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/10/23 05:53*	*04/10/23 16:41*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*04/10/23 05:53*	*04/10/23 16:41*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*04/10/23 05:53*	*04/10/23 16:41*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/10/23 05:53*	*04/10/23 16:41*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*04/10/23 05:53*	*04/10/23 16:41*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/10/23 05:53*	*04/10/23 16:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/05/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/03/23 06:41*	*04/05/23 01:43*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/03/23 06:41*	*04/05/23 01:43*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*04/03/23 06:41*	*04/05/23 01:43*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*04/03/23 06:41*	*04/05/23 01:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		12	2.9	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Antimony	**0.23**	**J**	0.59	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Arsenic	**11**		0.59	0.37	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Barium	**66**		12	2.1	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Beryllium	**0.34**		0.23	0.064	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Cadmium	**0.51**		0.29	0.043	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Calcium	**3200**		290	38	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Chromium	**9.8**		0.29	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Cobalt	**8.5**		2.9	0.41	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Copper	**19**		1.5	0.89	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Iron	**21000**		5.9	5.7	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Lead	**13**		0.59	0.51	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B55
Lab Sample ID: 180-154374-15

Date Collected: 03/30/23 14:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2800		290	32	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Manganese	460		0.88	0.16	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Nickel	18		2.3	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Potassium	500		290	50	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Selenium	ND		0.59	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Silver	ND		0.29	0.061	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Sodium	34	J	290	30	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Thallium	0.47	J	1.2	0.17	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Vanadium	12		2.9	0.46	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1
Zinc	46	B	1.2	0.85	mg/Kg	☼	04/10/23 08:17	04/22/23 04:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/21/23 10:45	04/24/23 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.2		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	95.8		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16

Date Collected: 03/30/23 14:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Dichlorodifluoromethane	ND	*+	5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16

Date Collected: 03/30/23 14:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Methyl acetate	ND	*+	25	7.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*04/07/23 07:08*	*04/07/23 12:46*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*04/07/23 07:08*	*04/07/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*135*		*73 - 135*	*04/07/23 07:08*	*04/07/23 12:46*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/07/23 07:08*	*04/07/23 12:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Acetophenone	ND		700	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Anthracene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Atrazine	ND		700	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16
Date Collected: 03/30/23 14:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Carbazole	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Chrysene	ND		70	39	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
3,3'-Dichlorobenzidine	ND		340	330	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Fluorene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Naphthalene	ND		70	14	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16

Date Collected: 03/30/23 14:10
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Phenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
Pyrene	ND		70	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*04/10/23 05:53*	*04/10/23 17:03*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/10/23 05:53*	*04/10/23 17:03*	*1*
Nitrobenzene-d5 (Surr)	*57*		*46 - 105*	*04/10/23 05:53*	*04/10/23 17:03*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*04/10/23 05:53*	*04/10/23 17:03*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*04/10/23 05:53*	*04/10/23 17:03*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/10/23 05:53*	*04/10/23 17:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1254	ND		18	5.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1260	ND		18	5.1	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1262	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:02*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:02*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:02*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		21	5.1	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Antimony	**0.40**	**J**	1.0	0.31	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Arsenic	**10**		1.0	0.65	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Barium	**85**		21	3.7	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Beryllium	**0.43**		0.41	0.11	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Cadmium	**0.67**		0.52	0.076	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Calcium	**2400**		520	67	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Chromium	**13**		0.52	0.47	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Cobalt	**11**		5.2	0.73	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Copper	**21**		2.6	1.6	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Iron	**28000**		10	10	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Lead	**13**		1.0	0.90	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Magnesium	**3900**		520	57	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1

Client Sample ID: SSHS-IRM5A2-MSA-B56
Lab Sample ID: 180-154374-16

Date Collected: 03/30/23 14:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**420**		1.5	0.29	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Nickel	**24**		4.1	0.52	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Potassium	**760**		520	88	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Selenium	ND		1.0	0.48	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Silver	ND		0.52	0.11	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Sodium	ND		520	53	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Thallium	**0.61**	**J**	2.1	0.29	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Vanadium	**16**		5.2	0.82	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1
Zinc	**66**	**B**	2.1	1.5	mg/Kg	☼	04/10/23 08:17	04/22/23 04:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 10:45	04/24/23 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17

Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17
Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Methyl acetate	ND	*+	28	8.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/07/23 07:08	04/07/23 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/07/23 07:08*	*04/07/23 12:23*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*04/07/23 07:08*	*04/07/23 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*04/07/23 07:08*	*04/07/23 12:23*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/07/23 07:08*	*04/07/23 12:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Acetophenone	ND		720	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Anthracene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Atrazine	ND		720	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17
Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Carbazole	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Chrysene	ND		72	40	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Fluorene	ND		72	14	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Isophorone	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Naphthalene	ND		72	14	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17
Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		72	19	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Phenol	ND		350	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
Pyrene	ND		72	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/10/23 05:53*	*04/10/23 17:24*	*1*
2-Fluorophenol (Surr)	*54*		*48 - 105*	*04/10/23 05:53*	*04/10/23 17:24*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*	*04/10/23 05:53*	*04/10/23 17:24*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*04/10/23 05:53*	*04/10/23 17:24*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*04/10/23 05:53*	*04/10/23 17:24*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*34 - 108*	*04/10/23 05:53*	*04/10/23 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:20*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:20*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:20*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		13	3.2	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Antimony	**0.30**	**J**	0.64	0.19	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Arsenic	**10**		0.64	0.40	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Barium	**82**		13	2.3	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Beryllium	**0.41**		0.25	0.069	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Cadmium	**0.64**		0.32	0.047	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Calcium	**8000**		320	41	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Chromium	**12**		0.32	0.29	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Cobalt	**10**		3.2	0.45	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Copper	**17**		1.6	0.96	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Iron	**24000**		6.4	6.2	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Lead	**13**		0.64	0.55	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Magnesium	**3300**		320	35	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Manganese	**500**		0.95	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1

Client Sample ID: SSHS-IRM5A2-MSA-B57
Lab Sample ID: 180-154374-17

Date Collected: 03/30/23 14:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**22**		2.5	0.32	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Potassium	**800**		320	54	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Selenium	ND		0.64	0.29	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Silver	ND		0.32	0.066	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Sodium	**41**	**J**	320	33	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Thallium	**0.36**	**J**	1.3	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Vanadium	**14**		3.2	0.50	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1
Zinc	**57**	**B**	1.3	0.92	mg/Kg	☼	04/10/23 08:17	04/22/23 04:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.023	mg/Kg	☼	04/21/23 10:45	04/24/23 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.7**		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	**90.3**		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18

Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18
Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/06/23 15:44	04/08/23 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*04/06/23 15:44*	*04/08/23 16:21*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*04/06/23 15:44*	*04/08/23 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*04/06/23 15:44*	*04/08/23 16:21*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*04/06/23 15:44*	*04/08/23 16:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Acetophenone	ND		740	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Anthracene	ND		74	19	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Atrazine	ND		740	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Benzaldehyde	ND		740	45	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18
Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Carbazole	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Chrysene	ND		74	41	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Dibenzofuran	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Fluoranthene	ND		74	19	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Fluorene	ND		74	14	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Indeno[1,2,3-cd]pyrene	ND		74	36	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Isophorone	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2-Methylphenol	ND		360	100	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Naphthalene	ND		74	14	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18
Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
Pyrene	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/10/23 05:53*	*04/10/23 17:46*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/10/23 05:53*	*04/10/23 17:46*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*04/10/23 05:53*	*04/10/23 17:46*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*04/10/23 05:53*	*04/10/23 17:46*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*04/10/23 05:53*	*04/10/23 17:46*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/10/23 05:53*	*04/10/23 17:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1221	ND		18	6.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1254	ND		18	5.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1260	ND		18	5.1	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1262	ND		18	6.3	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:39*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:39*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:39*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		12	3.0	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Antimony	ND	F1	0.59	0.18	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Arsenic	**8.0**		0.59	0.37	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Barium	**67**		12	2.1	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Beryllium	**0.56**	**F1**	0.24	0.065	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Cadmium	**0.86**	**F1**	0.30	0.044	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Calcium	**2400**	**F2 F1**	300	38	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Chromium	**12**	**F1**	0.30	0.27	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Cobalt	**10**		3.0	0.42	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Copper	**28**	**F2 F1**	1.5	0.90	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Iron	**23000**		5.9	5.8	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Lead	**14**	**F1**	0.59	0.52	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Magnesium	**3100**	**F1**	300	33	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Manganese	**350**		0.89	0.17	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Nickel	**21**	**F1**	2.4	0.30	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1

Client Sample ID: SSHS-IRM5A2-MSA-B58
Lab Sample ID: 180-154374-18

Date Collected: 03/30/23 14:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	600	F1 B	300	51	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Selenium	0.55	J F1	0.59	0.27	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Silver	0.12	J	0.30	0.062	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Sodium	47	J	300	30	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Thallium	1.0	J	1.2	0.17	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Vanadium	14	F1	3.0	0.47	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1
Zinc	51	F1	1.2	0.86	mg/Kg	☼	04/11/23 07:26	04/20/23 18:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.5		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	90.5		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19

Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/06/23 17:59*	*04/06/23 18:07*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*04/06/23 17:59*	*04/06/23 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*04/06/23 17:59*	*04/06/23 18:07*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/06/23 17:59*	*04/06/23 18:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Acetophenone	ND		740	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Anthracene	ND		74	19	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Atrazine	ND		740	160	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Carbazole	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Chrysene	ND		74	41	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Fluoranthene	ND		74	19	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Fluorene	ND		74	14	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Isophorone	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Naphthalene	ND		74	14	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
Phenol	ND		360	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19

Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		74	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/10/23 05:53*	*04/10/23 18:08*	*1*
2-Fluorophenol (Surr)	*54*		*48 - 105*	*04/10/23 05:53*	*04/10/23 18:08*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*04/10/23 05:53*	*04/10/23 18:08*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*04/10/23 05:53*	*04/10/23 18:08*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*04/10/23 05:53*	*04/10/23 18:08*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/10/23 05:53*	*04/10/23 18:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1262	ND		18	6.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/03/23 06:41	04/05/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:58*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*04/03/23 06:41*	*04/05/23 02:58*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:58*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*04/03/23 06:41*	*04/05/23 02:58*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		15	3.8	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Antimony	ND	F1	0.77	0.23	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Arsenic	**5.5**	**F2**	1.5	0.96	mg/Kg	☼	04/10/23 08:08	04/20/23 11:59	2
Barium	**50**		15	2.7	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Beryllium	**0.26**	**J F1**	0.31	0.083	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Cadmium	**0.46**	**J F1**	0.77	0.11	mg/Kg	☼	04/10/23 08:08	04/20/23 11:59	2
Calcium	**1800**	**F1**	380	49	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Chromium	**8.3**		0.38	0.35	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Cobalt	**7.0**		3.8	0.54	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Copper	**11**		1.9	1.2	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Iron	**18000**		15	15	mg/Kg	☼	04/10/23 08:08	04/20/23 11:59	2
Lead	**9.9**	**F2**	1.5	1.3	mg/Kg	☼	04/10/23 08:08	04/20/23 11:59	2
Magnesium	**2200**	**F1**	380	42	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Manganese	**320**		1.1	0.21	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Nickel	**13**		3.1	0.39	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Potassium	**380**	**F1**	380	65	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1

Client Sample ID: SSHS-IRM5A2-DUP292
Lab Sample ID: 180-154374-19
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND	F1	0.77	0.35	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Silver	ND	F1	0.38	0.080	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Sodium	ND	F1	380	39	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Thallium	**0.73**	**J**	3.1	0.43	mg/Kg	☼	04/10/23 08:08	04/20/23 11:59	2
Vanadium	**10**		3.8	0.61	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1
Zinc	**38**	**F1 B**	1.5	1.1	mg/Kg	☼	04/10/23 08:08	04/20/23 09:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.3**		0.1	0.1	%			04/03/23 11:58	1
Percent Solids (SM22 2540G)	**90.7**		0.1	0.1	%			04/03/23 11:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Dichlorodifluoromethane	ND	*+	5.2	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/06/23 17:59	04/06/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/06/23 17:59*	*04/06/23 18:30*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*04/06/23 17:59*	*04/06/23 18:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*04/06/23 17:59*	*04/06/23 18:30*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*04/06/23 17:59*	*04/06/23 18:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Acetophenone	ND		690	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Anthracene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Atrazine	ND		690	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Caprolactam	ND		1800	220	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Carbazole	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Chrysene	ND		69	38	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Fluorene	ND		69	14	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Isophorone	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Naphthalene	ND		69	13	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Phenol	ND		340	100	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
Pyrene	ND		69	16	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20

Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/10/23 05:53	04/10/23 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*04/10/23 05:53*	*04/10/23 18:29*	*1*
2-Fluorophenol (Surr)	*48*		*48 - 105*	*04/10/23 05:53*	*04/10/23 18:29*	*1*
Nitrobenzene-d5 (Surr)	*51*		*46 - 105*	*04/10/23 05:53*	*04/10/23 18:29*	*1*
Phenol-d5 (Surr)	*51*		*46 - 105*	*04/10/23 05:53*	*04/10/23 18:29*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/10/23 05:53*	*04/10/23 18:29*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*34 - 108*	*04/10/23 05:53*	*04/10/23 18:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 06:41	04/05/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/03/23 06:41*	*04/05/23 03:16*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/03/23 06:41*	*04/05/23 03:16*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*04/03/23 06:41*	*04/05/23 03:16*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/03/23 06:41*	*04/05/23 03:16*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		14	3.4	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Antimony	ND		0.68	0.21	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Arsenic	**9.2**		0.68	0.43	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Barium	**65**		14	2.4	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Beryllium	**0.35**		0.27	0.074	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Cadmium	**0.55**		0.34	0.050	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Calcium	**2200**		340	44	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Chromium	**10**		0.34	0.31	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Cobalt	**8.6**		3.4	0.48	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Copper	**15**		1.7	1.0	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Iron	**20000**		6.8	6.6	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Lead	**11**		0.68	0.59	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Magnesium	**2700**		340	37	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Manganese	**310**		1.0	0.19	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Nickel	**18**		2.7	0.34	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Potassium	**570**		340	58	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Selenium	ND		0.68	0.31	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B59
Lab Sample ID: 180-154374-20
Date Collected: 03/30/23 14:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.34	0.071	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Sodium	ND		340	35	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Thallium	**0.58**	**J**	1.4	0.19	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Vanadium	**13**		3.4	0.54	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1
Zinc	**45**	**B**	1.4	0.98	mg/Kg	☼	04/10/23 08:08	04/20/23 10:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 10:45	04/24/23 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.4**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**95.6**		0.1	0.1	%			04/03/23 12:12	1

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

Lab Sample ID: MB 180-431516/9
Matrix: Solid
Analysis Batch: 431516

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/06/23 11:39	1
Benzene	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
Bromoform	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/06/23 11:39	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/06/23 11:39	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/06/23 11:39	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/06/23 11:39	1
Chloroform	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/06/23 11:39	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/06/23 11:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/06/23 11:39	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/06/23 11:39	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/06/23 11:39	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/06/23 11:39	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/06/23 11:39	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/06/23 11:39	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/06/23 11:39	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/06/23 11:39	1
Methyl acetate	ND		25	7.4	ug/Kg			04/06/23 11:39	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/06/23 11:39	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/06/23 11:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Styrene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Toluene	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/06/23 11:39	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/06/23 11:39	1

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

Lab Sample ID: MB 180-431516/9
Matrix: Solid
Analysis Batch: 431516

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/06/23 11:39	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/06/23 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/06/23 11:39	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/06/23 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*04/06/23 11:39*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*		*04/06/23 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*		*04/06/23 11:39*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*		*04/06/23 11:39*	*1*

Lab Sample ID: LCS 180-431516/6
Matrix: Solid
Analysis Batch: 431516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	48.5		ug/Kg		121	23 - 170
Benzene	40.0	41.6		ug/Kg		104	77 - 120
Bromoform	40.0	40.0		ug/Kg		100	37 - 147
Bromomethane	40.0	42.6		ug/Kg		106	47 - 149
2-Butanone (MEK)	40.0	44.2		ug/Kg		111	39 - 157
Carbon disulfide	40.0	50.1		ug/Kg		125	40 - 156
Carbon tetrachloride	40.0	42.4		ug/Kg		106	73 - 130
Chlorobenzene	40.0	36.4		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	45.2		ug/Kg		113	64 - 128
Chlorodibromomethane	40.0	40.1		ug/Kg		100	60 - 134
Chloroethane	40.0	45.2		ug/Kg		113	37 - 159
Chloroform	40.0	40.6		ug/Kg		102	73 - 126
Chloromethane	40.0	49.5		ug/Kg		124	46 - 151
cis-1,2-Dichloroethene	40.0	43.1		ug/Kg		108	77 - 118
cis-1,3-Dichloropropene	40.0	45.2		ug/Kg		113	73 - 127
Cyclohexane	40.0	42.9		ug/Kg		107	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.9		ug/Kg		105	30 - 163
1,2-Dibromoethane	40.0	40.8		ug/Kg		102	59 - 137
1,2-Dichlorobenzene	40.0	36.4		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	79 - 120
Dichlorobromomethane	40.0	41.3		ug/Kg		103	75 - 123
Dichlorodifluoromethane	40.0	75.1	*+	ug/Kg		188	26 - 149
1,1-Dichloroethane	40.0	42.2		ug/Kg		106	73 - 124
1,2-Dichloroethane	40.0	47.5		ug/Kg		119	64 - 140
1,1-Dichloroethene	40.0	46.3		ug/Kg		116	55 - 136
1,2-Dichloroethene, Total	80.0	86.2		ug/Kg		108	77 - 119
1,2-Dichloropropane	40.0	40.3		ug/Kg		101	77 - 119
1,4-Dioxane	800	914	J	ug/Kg		114	18 - 166
Ethylbenzene	40.0	35.6		ug/Kg		89	79 - 119

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

Lab Sample ID: LCS 180-431516/6
Matrix: Solid
Analysis Batch: 431516

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	41.3		ug/Kg		103	42 - 152
Isopropylbenzene	40.0	35.6		ug/Kg		89	70 - 125
Methyl acetate	80.0	135		ug/Kg		169	20 - 170
Methylcyclohexane	40.0	42.5		ug/Kg		106	70 - 125
Methylene Chloride	40.0	44.8		ug/Kg		112	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.9		ug/Kg		102	51 - 147
Methyl tert-butyl ether	40.0	47.4		ug/Kg		119	58 - 132
m-Xylene & p-Xylene	40.0	38.0		ug/Kg		95	77 - 120
o-Xylene	40.0	36.9		ug/Kg		92	78 - 118
Styrene	40.0	37.5		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	46.1		ug/Kg		115	36 - 170
Tetrachloroethene	40.0	37.7		ug/Kg		94	71 - 121
Toluene	40.0	36.8		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	43.2		ug/Kg		108	75 - 122
trans-1,3-Dichloropropene	40.0	40.9		ug/Kg		102	68 - 133
1,2,3-Trichlorobenzene	40.0	40.7		ug/Kg		102	29 - 166
1,2,4-Trichlorobenzene	40.0	39.2		ug/Kg		98	22 - 170
1,1,1-Trichloroethane	40.0	41.7		ug/Kg		104	72 - 134
1,1,2-Trichloroethane	40.0	39.4		ug/Kg		99	66 - 128
Trichloroethene	40.0	41.7		ug/Kg		104	69 - 118
Trichlorofluoromethane	40.0	44.5		ug/Kg		111	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.5		ug/Kg		116	59 - 135
Vinyl chloride	40.0	45.3		ug/Kg		113	64 - 134
Xylenes, Total	80.0	74.9		ug/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Lab Sample ID: MB 180-431668/7
Matrix: Solid
Analysis Batch: 431668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/07/23 11:37	1
Benzene	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
Bromoform	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/07/23 11:37	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/07/23 11:37	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/07/23 11:37	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/07/23 11:37	1
Chloroform	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1

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

Lab Sample ID: MB 180-431668/7
Matrix: Solid
Analysis Batch: 431668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/07/23 11:37	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/07/23 11:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/07/23 11:37	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/07/23 11:37	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/07/23 11:37	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/07/23 11:37	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/07/23 11:37	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/07/23 11:37	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/07/23 11:37	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/07/23 11:37	1
Methyl acetate	ND		25	7.4	ug/Kg			04/07/23 11:37	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/07/23 11:37	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/07/23 11:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/07/23 11:37	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/07/23 11:37	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Styrene	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Toluene	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/07/23 11:37	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/07/23 11:37	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/07/23 11:37	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/07/23 11:37	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/07/23 11:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/07/23 11:37	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/07/23 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*		*04/07/23 11:37*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*04/07/23 11:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*		*04/07/23 11:37*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*04/07/23 11:37*	*1*

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

Lab Sample ID: LCS 180-431668/3
Matrix: Solid
Analysis Batch: 431668

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	52.1		ug/Kg		130	23 - 170
Benzene	40.0	41.9		ug/Kg		105	77 - 120
Bromoform	40.0	38.7		ug/Kg		97	37 - 147
Bromomethane	40.0	40.4		ug/Kg		101	47 - 149
2-Butanone (MEK)	40.0	44.5		ug/Kg		111	39 - 157
Carbon disulfide	40.0	53.1		ug/Kg		133	40 - 156
Carbon tetrachloride	40.0	42.5		ug/Kg		106	73 - 130
Chlorobenzene	40.0	36.2		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	43.2		ug/Kg		108	64 - 128
Chlorodibromomethane	40.0	38.5		ug/Kg		96	60 - 134
Chloroethane	40.0	41.6		ug/Kg		104	37 - 159
Chloroform	40.0	40.2		ug/Kg		101	73 - 126
Chloromethane	40.0	42.1		ug/Kg		105	46 - 151
cis-1,2-Dichloroethene	40.0	42.1		ug/Kg		105	77 - 118
cis-1,3-Dichloropropene	40.0	42.7		ug/Kg		107	73 - 127
Cyclohexane	40.0	42.5		ug/Kg		106	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	39.6		ug/Kg		99	30 - 163
1,2-Dibromoethane	40.0	39.9		ug/Kg		100	59 - 137
1,2-Dichlorobenzene	40.0	33.9		ug/Kg		85	76 - 120
1,3-Dichlorobenzene	40.0	35.0		ug/Kg		88	77 - 121
1,4-Dichlorobenzene	40.0	35.1		ug/Kg		88	79 - 120
Dichlorobromomethane	40.0	39.4		ug/Kg		98	75 - 123
Dichlorodifluoromethane	40.0	76.5	*+	ug/Kg		191	26 - 149
1,1-Dichloroethane	40.0	41.0		ug/Kg		103	73 - 124
1,2-Dichloroethane	40.0	46.4		ug/Kg		116	64 - 140
1,1-Dichloroethene	40.0	49.1		ug/Kg		123	55 - 136
1,2-Dichloroethene, Total	80.0	87.4		ug/Kg		109	77 - 119
1,2-Dichloropropane	40.0	38.8		ug/Kg		97	77 - 119
1,4-Dioxane	800	924	J	ug/Kg		116	18 - 166
Ethylbenzene	40.0	36.2		ug/Kg		90	79 - 119
2-Hexanone	40.0	39.0		ug/Kg		97	42 - 152
Isopropylbenzene	40.0	35.4		ug/Kg		89	70 - 125
Methyl acetate	80.0	142	*+	ug/Kg		177	20 - 170
Methylcyclohexane	40.0	42.4		ug/Kg		106	70 - 125
Methylene Chloride	40.0	43.9		ug/Kg		110	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	39.2		ug/Kg		98	51 - 147
Methyl tert-butyl ether	40.0	43.9		ug/Kg		110	58 - 132
m-Xylene & p-Xylene	40.0	37.4		ug/Kg		94	77 - 120
o-Xylene	40.0	34.9		ug/Kg		87	78 - 118
Styrene	40.0	36.3		ug/Kg		91	80 - 120
1,1,2,2-Tetrachloroethane	40.0	42.4		ug/Kg		106	36 - 170
Tetrachloroethene	40.0	39.0		ug/Kg		97	71 - 121
Toluene	40.0	36.2		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	45.3		ug/Kg		113	75 - 122
trans-1,3-Dichloropropene	40.0	38.1		ug/Kg		95	68 - 133
1,2,3-Trichlorobenzene	40.0	37.4		ug/Kg		93	29 - 166
1,2,4-Trichlorobenzene	40.0	36.1		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	41.9		ug/Kg		105	72 - 134

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

Lab Sample ID: LCS 180-431668/3
Matrix: Solid
Analysis Batch: 431668

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	40.0	37.3		ug/Kg		93	66 - 128
Trichloroethene	40.0	42.6		ug/Kg		106	69 - 118
Trichlorofluoromethane	40.0	42.6		ug/Kg		106	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	47.9		ug/Kg		120	59 - 135
Vinyl chloride	40.0	43.6		ug/Kg		109	64 - 134
Xylenes, Total	80.0	72.3		ug/Kg		90	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: LCSD 180-431668/4
Matrix: Solid
Analysis Batch: 431668

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	55.7		ug/Kg		139	23 - 170	7	35
Benzene	40.0	44.6		ug/Kg		111	77 - 120	6	20
Bromoform	40.0	40.7		ug/Kg		102	37 - 147	5	23
Bromomethane	40.0	43.0		ug/Kg		108	47 - 149	6	25
2-Butanone (MEK)	40.0	44.4		ug/Kg		111	39 - 157	0	33
Carbon disulfide	40.0	58.6		ug/Kg		147	40 - 156	10	25
Carbon tetrachloride	40.0	46.1		ug/Kg		115	73 - 130	8	21
Chlorobenzene	40.0	38.2		ug/Kg		95	79 - 122	5	20
Chlorobromomethane	40.0	45.3		ug/Kg		113	64 - 128	5	20
Chlorodibromomethane	40.0	39.9		ug/Kg		100	60 - 134	4	40
Chloroethane	40.0	45.3		ug/Kg		113	37 - 159	9	25
Chloroform	40.0	42.6		ug/Kg		106	73 - 126	6	20
Chloromethane	40.0	46.5		ug/Kg		116	46 - 151	10	33
cis-1,2-Dichloroethene	40.0	45.2		ug/Kg		113	77 - 118	7	20
cis-1,3-Dichloropropene	40.0	45.2		ug/Kg		113	73 - 127	6	20
Cyclohexane	40.0	46.0		ug/Kg		115	63 - 143	8	25
1,2-Dibromo-3-Chloropropane	40.0	37.6		ug/Kg		94	30 - 163	5	34
1,2-Dibromoethane	40.0	40.1		ug/Kg		100	59 - 137	0	20
1,2-Dichlorobenzene	40.0	35.7		ug/Kg		89	76 - 120	5	20
1,3-Dichlorobenzene	40.0	37.0		ug/Kg		92	77 - 121	5	20
1,4-Dichlorobenzene	40.0	37.2		ug/Kg		93	79 - 120	6	20
Dichlorobromomethane	40.0	41.7		ug/Kg		104	75 - 123	6	20
Dichlorodifluoromethane	40.0	79.2	*+	ug/Kg		198	26 - 149	4	24
1,1-Dichloroethane	40.0	43.5		ug/Kg		109	73 - 124	6	20
1,2-Dichloroethane	40.0	47.0		ug/Kg		117	64 - 140	1	20
1,1-Dichloroethene	40.0	52.7		ug/Kg		132	55 - 136	7	21
1,2-Dichloroethene, Total	80.0	92.8		ug/Kg		116	77 - 119	6	20
1,2-Dichloropropane	40.0	40.4		ug/Kg		101	77 - 119	4	20
1,4-Dioxane	800	863	J	ug/Kg		108	18 - 166	7	40
Ethylbenzene	40.0	38.8		ug/Kg		97	79 - 119	7	20

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

Lab Sample ID: LCSD 180-431668/4
Matrix: Solid
Analysis Batch: 431668

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			40.0	42.3		ug/Kg		106	42 - 152	8	30
Isopropylbenzene			40.0	38.7		ug/Kg		97	70 - 125	9	21
Methyl acetate			80.0	132		ug/Kg		165	20 - 170	7	33
Methylcyclohexane			40.0	46.0		ug/Kg		115	70 - 125	8	22
Methylene Chloride			40.0	47.2		ug/Kg		118	67 - 131	7	32
4-Methyl-2-pentanone (MIBK)			40.0	39.4		ug/Kg		99	51 - 147	1	27
Methyl tert-butyl ether			40.0	44.4		ug/Kg		111	58 - 132	1	24
m-Xylene & p-Xylene			40.0	40.7		ug/Kg		102	77 - 120	8	20
o-Xylene			40.0	38.3		ug/Kg		96	78 - 118	9	20
Styrene			40.0	38.8		ug/Kg		97	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	43.3		ug/Kg		108	36 - 170	2	23
Tetrachloroethene			40.0	41.6		ug/Kg		104	71 - 121	7	21
Toluene			40.0	39.1		ug/Kg		98	76 - 120	8	20
trans-1,2-Dichloroethene			40.0	47.6		ug/Kg		119	75 - 122	5	20
trans-1,3-Dichloropropene			40.0	39.8		ug/Kg		99	68 - 133	4	20
1,2,3-Trichlorobenzene			40.0	38.9		ug/Kg		97	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	38.5		ug/Kg		96	22 - 170	7	29
1,1,1-Trichloroethane			40.0	45.0		ug/Kg		112	72 - 134	7	20
1,1,2-Trichloroethane			40.0	39.4		ug/Kg		98	66 - 128	5	21
Trichloroethene			40.0	45.3		ug/Kg		113	69 - 118	6	20
Trichlorofluoromethane			40.0	46.6		ug/Kg		117	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	51.1		ug/Kg		128	59 - 135	6	28
Vinyl chloride			40.0	53.0		ug/Kg		132	64 - 134	19	23
Xylenes, Total			80.0	79.0		ug/Kg		99	78 - 118	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		42.5	58.1		ug/Kg	☼	137	23 - 170
Benzene	ND		42.5	45.0		ug/Kg	☼	106	77 - 120
Bromoform	ND		42.5	50.6		ug/Kg	☼	119	37 - 147
Bromomethane	ND		42.5	45.5		ug/Kg	☼	107	47 - 149
2-Butanone (MEK)	ND		42.5	51.9		ug/Kg	☼	122	39 - 157
Carbon disulfide	ND		42.5	57.4		ug/Kg	☼	135	40 - 156
Carbon tetrachloride	ND		42.5	45.9		ug/Kg	☼	108	73 - 130
Chlorobenzene	ND		42.5	41.3		ug/Kg	☼	97	79 - 122
Chlorobromomethane	ND		42.5	49.6		ug/Kg	☼	117	64 - 128
Chlorodibromomethane	ND		42.5	46.1		ug/Kg	☼	108	60 - 134
Chloroethane	ND		42.5	41.2		ug/Kg	☼	97	37 - 159
Chloroform	ND		42.5	42.9		ug/Kg	☼	101	73 - 126

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

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		42.5	39.5		ug/Kg	☼	93	46 - 151
cis-1,2-Dichloroethene	ND		42.5	44.2		ug/Kg	☼	104	77 - 118
cis-1,3-Dichloropropene	ND		42.5	45.6		ug/Kg	☼	107	73 - 127
Cyclohexane	ND		42.5	44.6		ug/Kg	☼	105	63 - 143
1,2-Dibromo-3-Chloropropane	ND		42.5	51.1		ug/Kg	☼	120	30 - 163
1,2-Dibromoethane	ND		42.5	47.9		ug/Kg	☼	113	59 - 137
1,2-Dichlorobenzene	ND		42.5	39.2		ug/Kg	☼	92	76 - 120
1,3-Dichlorobenzene	ND		42.5	39.4		ug/Kg	☼	93	77 - 121
1,4-Dichlorobenzene	ND		42.5	40.1		ug/Kg	☼	94	79 - 120
Dichlorobromomethane	ND		42.5	42.8		ug/Kg	☼	101	75 - 123
Dichlorodifluoromethane	ND	*+ F1	42.5	77.1	F1	ug/Kg	☼	181	26 - 149
1,1-Dichloroethane	ND		42.5	42.4		ug/Kg	☼	100	73 - 124
1,2-Dichloroethane	ND		42.5	50.8		ug/Kg	☼	120	64 - 140
1,1-Dichloroethene	ND		42.5	53.3		ug/Kg	☼	126	55 - 136
1,2-Dichloroethene, Total	ND		84.9	93.0		ug/Kg	☼	109	77 - 119
1,2-Dichloropropane	ND		42.5	40.7		ug/Kg	☼	96	77 - 119
1,4-Dioxane	ND		849	1280		ug/Kg	☼	151	18 - 166
Ethylbenzene	ND		42.5	40.6		ug/Kg	☼	96	79 - 119
2-Hexanone	ND		42.5	46.4		ug/Kg	☼	109	42 - 152
Isopropylbenzene	ND		42.5	40.4		ug/Kg	☼	95	70 - 125
Methyl acetate	ND	F1 *+	84.9	165	F1	ug/Kg	☼	194	20 - 170
Methylcyclohexane	ND		42.5	47.2		ug/Kg	☼	111	70 - 125
Methylene Chloride	ND		42.5	48.5		ug/Kg	☼	114	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		42.5	50.2		ug/Kg	☼	118	51 - 147
Methyl tert-butyl ether	ND		42.5	48.2		ug/Kg	☼	114	58 - 132
m-Xylene & p-Xylene	ND		42.5	43.0		ug/Kg	☼	101	77 - 120
o-Xylene	ND		42.5	40.8		ug/Kg	☼	96	78 - 118
Styrene	ND		42.5	41.4		ug/Kg	☼	98	80 - 120
1,1,2,2-Tetrachloroethane	ND		42.5	57.5		ug/Kg	☼	135	36 - 170
Tetrachloroethene	ND		42.5	44.7		ug/Kg	☼	105	71 - 121
Toluene	ND		42.5	41.8		ug/Kg	☼	98	76 - 120
trans-1,2-Dichloroethene	ND		42.5	48.8		ug/Kg	☼	115	75 - 122
trans-1,3-Dichloropropene	ND		42.5	44.4		ug/Kg	☼	105	68 - 133
1,2,3-Trichlorobenzene	ND		42.5	43.9		ug/Kg	☼	103	29 - 166
1,2,4-Trichlorobenzene	ND		42.5	40.8		ug/Kg	☼	96	22 - 170
1,1,1-Trichloroethane	ND		42.5	44.1		ug/Kg	☼	104	72 - 134
1,1,2-Trichloroethane	ND		42.5	45.6		ug/Kg	☼	107	66 - 128
Trichloroethene	ND		42.5	45.2		ug/Kg	☼	106	69 - 118
Trichlorofluoromethane	ND		42.5	46.3		ug/Kg	☼	109	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.5	52.9		ug/Kg	☼	125	59 - 135
Vinyl chloride	ND		42.5	41.1		ug/Kg	☼	97	64 - 134
Xylenes, Total	ND		84.9	83.8		ug/Kg	☼	99	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*

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

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431723

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		42.5	60.8		ug/Kg	☼	143	23 - 170	5	35
Benzene	ND		42.5	43.1		ug/Kg	☼	101	77 - 120	4	20
Bromoform	ND		42.5	43.3		ug/Kg	☼	102	37 - 147	15	23
Bromomethane	ND		42.5	39.5		ug/Kg	☼	93	47 - 149	14	25
2-Butanone (MEK)	ND		42.5	51.2		ug/Kg	☼	121	39 - 157	1	33
Carbon disulfide	ND		42.5	54.9		ug/Kg	☼	129	40 - 156	5	25
Carbon tetrachloride	ND		42.5	43.8		ug/Kg	☼	103	73 - 130	5	21
Chlorobenzene	ND		42.5	36.8		ug/Kg	☼	87	79 - 122	11	20
Chlorobromomethane	ND		42.5	47.3		ug/Kg	☼	111	64 - 128	5	20
Chlorodibromomethane	ND		42.5	40.9		ug/Kg	☼	96	60 - 134	12	40
Chloroethane	ND		42.5	41.1		ug/Kg	☼	97	37 - 159	0	25
Chloroform	ND		42.5	40.9		ug/Kg	☼	96	73 - 126	5	20
Chloromethane	ND		42.5	43.6		ug/Kg	☼	103	46 - 151	10	33
cis-1,2-Dichloroethene	ND		42.5	44.4		ug/Kg	☼	104	77 - 118	0	20
cis-1,3-Dichloropropene	ND		42.5	44.1		ug/Kg	☼	104	73 - 127	3	20
Cyclohexane	ND		42.5	43.4		ug/Kg	☼	102	63 - 143	3	25
1,2-Dibromo-3-Chloropropane	ND		42.5	48.1		ug/Kg	☼	113	30 - 163	6	34
1,2-Dibromoethane	ND		42.5	42.6		ug/Kg	☼	100	59 - 137	12	20
1,2-Dichlorobenzene	ND		42.5	35.9		ug/Kg	☼	85	76 - 120	9	20
1,3-Dichlorobenzene	ND		42.5	35.7		ug/Kg	☼	84	77 - 121	10	20
1,4-Dichlorobenzene	ND		42.5	36.0		ug/Kg	☼	85	79 - 120	11	20
Dichlorobromomethane	ND		42.5	40.3		ug/Kg	☼	95	75 - 123	6	20
Dichlorodifluoromethane	ND	*+ F1	42.5	76.3	F1	ug/Kg	☼	180	26 - 149	1	24
1,1-Dichloroethane	ND		42.5	42.3		ug/Kg	☼	100	73 - 124	0	20
1,2-Dichloroethane	ND		42.5	47.3		ug/Kg	☼	111	64 - 140	7	20
1,1-Dichloroethene	ND		42.5	50.9		ug/Kg	☼	120	55 - 136	5	21
1,2-Dichloroethene, Total	ND		84.9	89.8		ug/Kg	☼	106	77 - 119	4	20
1,2-Dichloropropane	ND		42.5	39.5		ug/Kg	☼	93	77 - 119	3	20
1,4-Dioxane	ND		849	1210		ug/Kg	☼	143	18 - 166	6	40
Ethylbenzene	ND		42.5	36.4		ug/Kg	☼	86	79 - 119	11	20
2-Hexanone	ND		42.5	45.4		ug/Kg	☼	107	42 - 152	2	30
Isopropylbenzene	ND		42.5	36.2		ug/Kg	☼	85	70 - 125	11	21
Methyl acetate	ND	F1 *+	84.9	181	F1	ug/Kg	☼	213	20 - 170	9	33
Methylcyclohexane	ND		42.5	44.6		ug/Kg	☼	105	70 - 125	6	22
Methylene Chloride	ND		42.5	47.6		ug/Kg	☼	112	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)	ND		42.5	47.8		ug/Kg	☼	113	51 - 147	5	27
Methyl tert-butyl ether	ND		42.5	48.8		ug/Kg	☼	115	58 - 132	1	24
m-Xylene & p-Xylene	ND		42.5	38.6		ug/Kg	☼	91	77 - 120	11	20
o-Xylene	ND		42.5	36.1		ug/Kg	☼	85	78 - 118	12	20
Styrene	ND		42.5	36.2		ug/Kg	☼	85	80 - 120	13	20
1,1,2,2-Tetrachloroethane	ND		42.5	51.5		ug/Kg	☼	121	36 - 170	11	23

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

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	ND		42.5	39.7		ug/Kg	☼	94	71 - 121	12	21
Toluene	ND		42.5	36.7		ug/Kg	☼	87	76 - 120	13	20
trans-1,2-Dichloroethene	ND		42.5	45.4		ug/Kg	☼	107	75 - 122	7	20
trans-1,3-Dichloropropene	ND		42.5	40.3		ug/Kg	☼	95	68 - 133	10	20
1,2,3-Trichlorobenzene	ND		42.5	39.7		ug/Kg	☼	93	29 - 166	10	40
1,2,4-Trichlorobenzene	ND		42.5	37.2		ug/Kg	☼	88	22 - 170	9	29
1,1,1-Trichloroethane	ND		42.5	43.1		ug/Kg	☼	102	72 - 134	2	20
1,1,2-Trichloroethane	ND		42.5	40.5		ug/Kg	☼	95	66 - 128	12	21
Trichloroethene	ND		42.5	43.0		ug/Kg	☼	101	69 - 118	5	20
Trichlorofluoromethane	ND		42.5	42.0		ug/Kg	☼	99	32 - 149	10	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.5	49.2		ug/Kg	☼	116	59 - 135	7	28
Vinyl chloride	ND		42.5	48.0		ug/Kg	☼	113	64 - 134	15	23
Xylenes, Total	ND		84.9	74.7		ug/Kg	☼	88	78 - 118	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*94*		*67 - 134*

Lab Sample ID: MB 180-431744/7
Matrix: Solid
Analysis Batch: 431744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/08/23 15:36	1
Benzene	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
Bromoform	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/08/23 15:36	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/08/23 15:36	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/08/23 15:36	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/08/23 15:36	1
Chloroform	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/08/23 15:36	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/08/23 15:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/08/23 15:36	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/08/23 15:36	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/08/23 15:36	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1

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

Lab Sample ID: MB 180-431744/7
Matrix: Solid
Analysis Batch: 431744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/08/23 15:36	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/08/23 15:36	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/08/23 15:36	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/08/23 15:36	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/08/23 15:36	1
Methyl acetate	ND		25	7.4	ug/Kg			04/08/23 15:36	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/08/23 15:36	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/08/23 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/08/23 15:36	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/08/23 15:36	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Styrene	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Toluene	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/08/23 15:36	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/08/23 15:36	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/08/23 15:36	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/08/23 15:36	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/08/23 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/08/23 15:36	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/08/23 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*04/08/23 15:36*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*		*04/08/23 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*		*04/08/23 15:36*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*04/08/23 15:36*	*1*

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	48.1		ug/Kg		120	23 - 170
Benzene	40.0	35.4		ug/Kg		89	77 - 120
Bromoform	40.0	47.9		ug/Kg		120	37 - 147
Bromomethane	40.0	33.6		ug/Kg		84	47 - 149
2-Butanone (MEK)	40.0	40.3		ug/Kg		101	39 - 157

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

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	40.0	32.4		ug/Kg		81	40 - 156
Carbon tetrachloride	40.0	37.8		ug/Kg		95	73 - 130
Chlorobenzene	40.0	37.3		ug/Kg		93	79 - 122
Chlorobromomethane	40.0	38.1		ug/Kg		95	64 - 128
Chlorodibromomethane	40.0	42.7		ug/Kg		107	60 - 134
Chloroethane	40.0	39.0		ug/Kg		98	37 - 159
Chloroform	40.0	35.6		ug/Kg		89	73 - 126
Chloromethane	40.0	21.4		ug/Kg		54	46 - 151
cis-1,2-Dichloroethene	40.0	36.4		ug/Kg		91	77 - 118
cis-1,3-Dichloropropene	40.0	37.5		ug/Kg		94	73 - 127
Cyclohexane	40.0	32.9		ug/Kg		82	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	46.7		ug/Kg		117	30 - 163
1,2-Dibromoethane	40.0	42.9		ug/Kg		107	59 - 137
1,2-Dichlorobenzene	40.0	37.1		ug/Kg		93	76 - 120
1,3-Dichlorobenzene	40.0	37.8		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	38.1		ug/Kg		95	79 - 120
Dichlorobromomethane	40.0	36.5		ug/Kg		91	75 - 123
Dichlorodifluoromethane	40.0	15.4		ug/Kg		39	26 - 149
1,1-Dichloroethane	40.0	33.6		ug/Kg		84	73 - 124
1,2-Dichloroethane	40.0	40.3		ug/Kg		101	64 - 140
1,1-Dichloroethene	40.0	35.9		ug/Kg		90	55 - 136
1,2-Dichloroethene, Total	80.0	73.5		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	32.7		ug/Kg		82	77 - 119
1,4-Dioxane	800	848	J	ug/Kg		106	18 - 166
Ethylbenzene	40.0	37.2		ug/Kg		93	79 - 119
2-Hexanone	40.0	45.0		ug/Kg		112	42 - 152
Isopropylbenzene	40.0	42.3		ug/Kg		106	70 - 125
Methyl acetate	80.0	130		ug/Kg		162	20 - 170
Methylcyclohexane	40.0	36.1		ug/Kg		90	70 - 125
Methylene Chloride	40.0	34.6		ug/Kg		86	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	44.8		ug/Kg		112	51 - 147
Methyl tert-butyl ether	40.0	35.9		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	40.0		ug/Kg		100	77 - 120
o-Xylene	40.0	40.6		ug/Kg		102	78 - 118
Styrene	40.0	40.3		ug/Kg		101	80 - 120
1,1,2,2-Tetrachloroethane	40.0	53.1		ug/Kg		133	36 - 170
Tetrachloroethene	40.0	44.0		ug/Kg		110	71 - 121
Toluene	40.0	39.3		ug/Kg		98	76 - 120
trans-1,2-Dichloroethene	40.0	37.1		ug/Kg		93	75 - 122
trans-1,3-Dichloropropene	40.0	41.6		ug/Kg		104	68 - 133
1,2,3-Trichlorobenzene	40.0	36.2		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	35.3		ug/Kg		88	22 - 170
1,1,1-Trichloroethane	40.0	38.5		ug/Kg		96	72 - 134
1,1,2-Trichloroethane	40.0	42.6		ug/Kg		107	66 - 128
Trichloroethene	40.0	38.2		ug/Kg		96	69 - 118
Trichlorofluoromethane	40.0	41.0		ug/Kg		103	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	35.9		ug/Kg		90	59 - 135
Vinyl chloride	40.0	26.6		ug/Kg		66	64 - 134

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

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			80.0	80.6		ug/Kg		101	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*112*		*67 - 134*

Lab Sample ID: MB 180-432181/7
Matrix: Solid
Analysis Batch: 432181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/13/23 12:53	1
Benzene	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
Bromoform	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/13/23 12:53	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/13/23 12:53	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/13/23 12:53	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/13/23 12:53	1
Chloroform	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/13/23 12:53	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/13/23 12:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/13/23 12:53	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/13/23 12:53	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/13/23 12:53	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/13/23 12:53	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/13/23 12:53	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/13/23 12:53	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/13/23 12:53	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/13/23 12:53	1
Methyl acetate	ND		25	7.4	ug/Kg			04/13/23 12:53	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/13/23 12:53	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/13/23 12:53	1

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

Lab Sample ID: MB 180-432181/7
Matrix: Solid
Analysis Batch: 432181

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/13/23 12:53	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/13/23 12:53	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Styrene	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Toluene	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/13/23 12:53	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/13/23 12:53	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/13/23 12:53	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/13/23 12:53	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/13/23 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/13/23 12:53	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/13/23 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*		*04/13/23 12:53*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*04/13/23 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*		*04/13/23 12:53*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*04/13/23 12:53*	*1*

Lab Sample ID: LCS 180-432181/18
Matrix: Solid
Analysis Batch: 432181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	45.8		ug/Kg		115	23 - 170
Benzene	40.0	42.0		ug/Kg		105	77 - 120
Bromoform	40.0	37.1		ug/Kg		93	37 - 147
Bromomethane	40.0	29.5		ug/Kg		74	47 - 149
2-Butanone (MEK)	40.0	42.0		ug/Kg		105	39 - 157
Carbon disulfide	40.0	56.3		ug/Kg		141	40 - 156
Carbon tetrachloride	40.0	41.1		ug/Kg		103	73 - 130
Chlorobenzene	40.0	35.9		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	40.4		ug/Kg		101	64 - 128
Chlorodibromomethane	40.0	37.1		ug/Kg		93	60 - 134
Chloroethane	40.0	36.5		ug/Kg		91	37 - 159
Chloroform	40.0	38.8		ug/Kg		97	73 - 126
Chloromethane	40.0	36.4		ug/Kg		91	46 - 151
cis-1,2-Dichloroethene	40.0	41.8		ug/Kg		105	77 - 118
cis-1,3-Dichloropropene	40.0	42.1		ug/Kg		105	73 - 127
Cyclohexane	40.0	43.5		ug/Kg		109	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	40.2		ug/Kg		100	30 - 163

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

Lab Sample ID: LCS 180-432181/18
Matrix: Solid
Analysis Batch: 432181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	40.0	38.0		ug/Kg		95	59 - 137
1,2-Dichlorobenzene	40.0	35.0		ug/Kg		88	76 - 120
1,3-Dichlorobenzene	40.0	35.6		ug/Kg		89	77 - 121
1,4-Dichlorobenzene	40.0	35.1		ug/Kg		88	79 - 120
Dichlorobromomethane	40.0	37.5		ug/Kg		94	75 - 123
Dichlorodifluoromethane	40.0	59.1		ug/Kg		148	26 - 149
1,1-Dichloroethane	40.0	43.5		ug/Kg		109	73 - 124
1,2-Dichloroethane	40.0	41.9		ug/Kg		105	64 - 140
1,1-Dichloroethene	40.0	48.7		ug/Kg		122	55 - 136
1,2-Dichloroethene, Total	80.0	88.3		ug/Kg		110	77 - 119
1,2-Dichloropropane	40.0	38.5		ug/Kg		96	77 - 119
1,4-Dioxane	800	782	J	ug/Kg		98	18 - 166
Ethylbenzene	40.0	36.3		ug/Kg		91	79 - 119
2-Hexanone	40.0	38.2		ug/Kg		95	42 - 152
Isopropylbenzene	40.0	36.1		ug/Kg		90	70 - 125
Methyl acetate	80.0	149	*+	ug/Kg		186	20 - 170
Methylcyclohexane	40.0	43.3		ug/Kg		108	70 - 125
Methylene Chloride	40.0	46.5		ug/Kg		116	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.5		ug/Kg		86	51 - 147
Methyl tert-butyl ether	40.0	44.8		ug/Kg		112	58 - 132
m-Xylene & p-Xylene	40.0	38.4		ug/Kg		96	77 - 120
o-Xylene	40.0	36.3		ug/Kg		91	78 - 118
Styrene	40.0	36.7		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	43.1		ug/Kg		108	36 - 170
Tetrachloroethene	40.0	37.5		ug/Kg		94	71 - 121
Toluene	40.0	33.7		ug/Kg		84	76 - 120
trans-1,2-Dichloroethene	40.0	46.5		ug/Kg		116	75 - 122
trans-1,3-Dichloropropene	40.0	36.5		ug/Kg		91	68 - 133
1,2,3-Trichlorobenzene	40.0	36.4		ug/Kg		91	29 - 166
1,2,4-Trichlorobenzene	40.0	36.2		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	40.4		ug/Kg		101	72 - 134
1,1,2-Trichloroethane	40.0	36.6		ug/Kg		91	66 - 128
Trichloroethene	40.0	40.6		ug/Kg		102	69 - 118
Trichlorofluoromethane	40.0	33.6		ug/Kg		84	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	43.0		ug/Kg		108	59 - 135
Vinyl chloride	40.0	35.3		ug/Kg		88	64 - 134
Xylenes, Total	80.0	74.7		ug/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

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

Lab Sample ID: MB 180-431775/1-A
Matrix: Solid
Analysis Batch: 431791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Acenaphthylene	ND		67	15	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Acetophenone	ND		670	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Anthracene	ND		67	17	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Atrazine	ND		670	150	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Benzaldehyde	ND		670	41	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Caprolactam	ND		1700	220	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Carbazole	ND		67	16	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4-Chloroaniline	ND		330	88	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2-Chlorophenol	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Chrysene	ND		67	37	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Dibenzofuran	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Diethyl phthalate	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
1,4-Dioxane	ND		670	100	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Fluoranthene	ND		67	18	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Fluorene	ND		67	13	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Hexachloroethane	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Isophorone	ND		330	130	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/10/23 05:53	04/10/23 11:36	1

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

Lab Sample ID: MB 180-431775/1-A
Matrix: Solid
Analysis Batch: 431791

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		330	96	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Naphthalene	ND		67	13	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
3-Nitroaniline	ND		1700	85	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Nitrobenzene	ND		670	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2-Nitrophenol	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Phenanthrene	ND		67	18	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Phenol	ND		330	100	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
Pyrene	ND		67	16	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/10/23 05:53	04/10/23 11:36	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/10/23 05:53	04/10/23 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*44 - 105*	*04/10/23 05:53*	*04/10/23 11:36*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*04/10/23 05:53*	*04/10/23 11:36*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 105*	*04/10/23 05:53*	*04/10/23 11:36*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/10/23 05:53*	*04/10/23 11:36*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 105*	*04/10/23 05:53*	*04/10/23 11:36*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*04/10/23 05:53*	*04/10/23 11:36*	*1*

Lab Sample ID: LCS 180-431775/2-A
Matrix: Solid
Analysis Batch: 431791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4180		ug/Kg		63	50 - 100
Acenaphthylene	6670	4390		ug/Kg		66	52 - 100
Acetophenone	6670	4130		ug/Kg		62	48 - 100
Anthracene	6670	4400		ug/Kg		66	53 - 100
Atrazine	6670	4180		ug/Kg		63	49 - 103
Benzaldehyde	6670	4060		ug/Kg		61	23 - 105
Benzo[a]anthracene	6670	4370		ug/Kg		66	51 - 100
Benzo[a]pyrene	6670	4260		ug/Kg		64	51 - 100
Benzo[b]fluoranthene	6670	3800		ug/Kg		57	48 - 100
Benzo[g,h,i]perylene	6670	4410		ug/Kg		66	48 - 105
Benzo[k]fluoranthene	6670	4210		ug/Kg		63	19 - 100
1,1'-Biphenyl	6670	4200		ug/Kg		63	50 - 100
Bis(2-chloroethoxy)methane	6670	4280		ug/Kg		64	49 - 100
Bis(2-chloroethyl)ether	6670	4210		ug/Kg		63	48 - 100

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

Lab Sample ID: LCS 180-431775/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431791
Prep Batch: 431775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	6670	4230		ug/Kg		63	53 - 107
4-Bromophenyl phenyl ether	6670	4380		ug/Kg		66	52 - 101
Butyl benzyl phthalate	6670	4280		ug/Kg		64	52 - 107
Caprolactam	6670	4610		ug/Kg		69	48 - 111
Carbazole	6670	4430		ug/Kg		66	53 - 100
4-Chloroaniline	6670	4510		ug/Kg		68	47 - 100
4-Chloro-3-methylphenol	6670	4860		ug/Kg		73	49 - 106
2-Chloronaphthalene	6670	4160		ug/Kg		62	51 - 100
2-Chlorophenol	6670	4620		ug/Kg		69	51 - 100
4-Chlorophenyl phenyl ether	6670	4300		ug/Kg		64	52 - 100
Chrysene	6670	4150		ug/Kg		62	50 - 100
Dibenz(a,h)anthracene	6670	4490		ug/Kg		67	50 - 107
Dibenzofuran	6670	4170		ug/Kg		63	52 - 100
3,3'-Dichlorobenzidine	6670	3780		ug/Kg		57	43 - 100
2,4-Dichlorophenol	6670	4800		ug/Kg		72	53 - 101
Diethyl phthalate	6670	4290		ug/Kg		64	48 - 104
2,4-Dimethylphenol	6670	4470		ug/Kg		67	51 - 101
Dimethyl phthalate	6670	4310		ug/Kg		65	53 - 100
Di-n-butyl phthalate	6670	4540		ug/Kg		68	57 - 102
4,6-Dinitro-2-methylphenol	13300	7860		ug/Kg		59	51 - 100
2,4-Dinitrophenol	13300	7440		ug/Kg		56	33 - 101
2,4-Dinitrotoluene	6670	4500		ug/Kg		67	54 - 104
2,6-Dinitrotoluene	6670	4600		ug/Kg		69	51 - 106
Di-n-octyl phthalate	6670	4440		ug/Kg		67	41 - 106
1,4-Dioxane	6670	4050		ug/Kg		61	25 - 125
Fluoranthene	6670	4460		ug/Kg		67	55 - 100
Fluorene	6670	4330		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4340		ug/Kg		65	49 - 100
Hexachlorobutadiene	6670	4570		ug/Kg		69	38 - 107
Hexachlorocyclopentadiene	6670	4220		ug/Kg		63	33 - 117
Hexachloroethane	6670	4290		ug/Kg		64	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4510		ug/Kg		68	51 - 103
Isophorone	6670	4420		ug/Kg		66	48 - 105
2-Methylnaphthalene	6670	4590		ug/Kg		69	53 - 100
2-Methylphenol	6670	4680		ug/Kg		70	50 - 101
Methylphenol, 3 & 4	6670	4650		ug/Kg		70	50 - 103
Naphthalene	6670	4270		ug/Kg		64	51 - 100
2-Nitroaniline	6670	4390		ug/Kg		66	42 - 123
3-Nitroaniline	6670	4520		ug/Kg		68	50 - 103
4-Nitroaniline	6670	4410		ug/Kg		66	52 - 103
Nitrobenzene	6670	4110		ug/Kg		62	44 - 108
2-Nitrophenol	6670	4890		ug/Kg		73	55 - 107
4-Nitrophenol	13300	8350		ug/Kg		63	30 - 134
N-Nitrosodi-n-propylamine	6670	4460		ug/Kg		67	45 - 107
N-Nitrosodiphenylamine	6670	4300		ug/Kg		64	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4070		ug/Kg		61	30 - 113
Pentachlorophenol	13300	8500		ug/Kg		64	42 - 110
Phenanthrene	6670	4180		ug/Kg		63	53 - 100
Phenol	6670	4260		ug/Kg		64	49 - 100

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

Lab Sample ID: LCS 180-431775/2-A
Matrix: Solid
Analysis Batch: 431791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	6670	4350		ug/Kg		65	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4160		ug/Kg		62	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4650		ug/Kg		70	47 - 104
2,4,5-Trichlorophenol	6670	4510		ug/Kg		68	50 - 104
2,4,6-Trichlorophenol	6670	4570		ug/Kg		69	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*44 - 105*
2-Fluorophenol (Surr)	*67*		*48 - 105*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*
Phenol-d5 (Surr)	*64*		*46 - 105*
Terphenyl-d14 (Surr)	*61*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 431791

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431775

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7030	4540		ug/Kg	☼	65	50 - 100
Acenaphthylene	ND		7030	4820		ug/Kg	☼	69	52 - 100
Acetophenone	ND		7030	4420		ug/Kg	☼	63	48 - 100
Anthracene	ND		7030	4960		ug/Kg	☼	71	53 - 100
Atrazine	ND		7030	4710		ug/Kg	☼	67	49 - 103
Benzaldehyde	ND		7030	3970		ug/Kg	☼	56	23 - 105
Benzo[a]anthracene	ND		7030	5000		ug/Kg	☼	71	51 - 100
Benzo[a]pyrene	ND		7030	4800		ug/Kg	☼	68	51 - 100
Benzo[b]fluoranthene	ND		7030	4510		ug/Kg	☼	64	48 - 100
Benzo[g,h,i]perylene	ND		7030	4860		ug/Kg	☼	69	48 - 105
Benzo[k]fluoranthene	ND		7030	4460		ug/Kg	☼	63	19 - 100
1,1'-Biphenyl	ND		7030	4630		ug/Kg	☼	66	50 - 100
Bis(2-chloroethoxy)methane	ND		7030	4650		ug/Kg	☼	66	49 - 100
Bis(2-chloroethyl)ether	ND		7030	4510		ug/Kg	☼	64	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7030	4900		ug/Kg	☼	70	53 - 107
4-Bromophenyl phenyl ether	ND		7030	4790		ug/Kg	☼	68	52 - 101
Butyl benzyl phthalate	ND		7030	4910		ug/Kg	☼	70	52 - 107
Caprolactam	ND		7030	5290		ug/Kg	☼	75	48 - 111
Carbazole	ND		7030	5040		ug/Kg	☼	72	53 - 100
4-Chloroaniline	ND		7030	4750		ug/Kg	☼	68	47 - 100
4-Chloro-3-methylphenol	ND		7030	5210		ug/Kg	☼	74	49 - 106
2-Chloronaphthalene	ND		7030	4480		ug/Kg	☼	64	51 - 100
2-Chlorophenol	ND		7030	4730		ug/Kg	☼	67	51 - 100
4-Chlorophenyl phenyl ether	ND		7030	4660		ug/Kg	☼	66	52 - 100
Chrysene	ND		7030	4620		ug/Kg	☼	66	50 - 100
Dibenz(a,h)anthracene	ND		7030	4910		ug/Kg	☼	70	50 - 107
Dibenzofuran	ND		7030	4530		ug/Kg	☼	64	52 - 100
3,3'-Dichlorobenzidine	ND		7030	4340		ug/Kg	☼	62	43 - 100
2,4-Dichlorophenol	ND		7030	4900		ug/Kg	☼	70	53 - 101

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

Lab Sample ID: 180-154374-14 MS
Client Sample ID: SSHS-IRM5A2-MSA-B54
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431791
Prep Batch: 431775

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	ND		7030	4860		ug/Kg	☼	69	48 - 104
2,4-Dimethylphenol	ND		7030	4780		ug/Kg	☼	68	51 - 101
Dimethyl phthalate	ND		7030	4850		ug/Kg	☼	69	53 - 100
Di-n-butyl phthalate	ND		7030	5520		ug/Kg	☼	79	57 - 102
4,6-Dinitro-2-methylphenol	ND		14100	8990		ug/Kg	☼	64	51 - 100
2,4-Dinitrophenol	ND		14100	7920		ug/Kg	☼	56	33 - 101
2,4-Dinitrotoluene	ND		7030	5090		ug/Kg	☼	72	54 - 104
2,6-Dinitrotoluene	ND		7030	4990		ug/Kg	☼	71	51 - 106
Di-n-octyl phthalate	ND		7030	5230		ug/Kg	☼	74	41 - 106
1,4-Dioxane	ND		7030	3480		ug/Kg	☼	50	25 - 125
Fluoranthene	ND		7030	5290		ug/Kg	☼	75	55 - 100
Fluorene	ND		7030	4840		ug/Kg	☼	69	52 - 100
Hexachlorobenzene	ND		7030	4640		ug/Kg	☼	66	49 - 100
Hexachlorobutadiene	ND		7030	4370		ug/Kg	☼	62	38 - 107
Hexachlorocyclopentadiene	ND		7030	4200		ug/Kg	☼	60	33 - 117
Hexachloroethane	ND		7030	4260		ug/Kg	☼	61	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7030	5060		ug/Kg	☼	72	51 - 103
Isophorone	ND		7030	4910		ug/Kg	☼	70	48 - 105
2-Methylnaphthalene	ND		7030	4770		ug/Kg	☼	68	53 - 100
2-Methylphenol	ND		7030	5010		ug/Kg	☼	71	50 - 101
Methylphenol, 3 & 4	ND		7030	5070		ug/Kg	☼	72	50 - 103
Naphthalene	ND		7030	4430		ug/Kg	☼	63	51 - 100
2-Nitroaniline	ND		7030	5290		ug/Kg	☼	75	42 - 123
3-Nitroaniline	ND		7030	5090		ug/Kg	☼	73	50 - 103
4-Nitroaniline	ND		7030	5170		ug/Kg	☼	74	52 - 103
Nitrobenzene	ND		7030	4490		ug/Kg	☼	64	44 - 108
2-Nitrophenol	ND		7030	5060		ug/Kg	☼	72	55 - 107
4-Nitrophenol	ND		14100	9720		ug/Kg	☼	69	30 - 134
N-Nitrosodi-n-propylamine	ND		7030	5120		ug/Kg	☼	73	45 - 107
N-Nitrosodiphenylamine	ND		7030	4900		ug/Kg	☼	70	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7030	4550		ug/Kg	☼	65	30 - 113
Pentachlorophenol	ND		14100	8540		ug/Kg	☼	61	42 - 110
Phenanthrene	ND		7030	4740		ug/Kg	☼	67	53 - 100
Phenol	ND		7030	4590		ug/Kg	☼	65	49 - 100
Pyrene	ND		7030	4890		ug/Kg	☼	70	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7030	4290		ug/Kg	☼	61	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7030	4810		ug/Kg	☼	68	47 - 104
2,4,5-Trichlorophenol	ND		7030	4890		ug/Kg	☼	70	50 - 104
2,4,6-Trichlorophenol	ND		7030	4800		ug/Kg	☼	68	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*44 - 105*
2-Fluorophenol (Surr)	*63*		*48 - 105*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*
Phenol-d5 (Surr)	*66*		*46 - 105*
Terphenyl-d14 (Surr)	*63*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*

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

Lab Sample ID: 180-154374-14 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B54
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431791
Prep Batch: 431775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7120	4470		ug/Kg	☼	63	50 - 100	1	20
Acenaphthylene	ND		7120	4710		ug/Kg	☼	66	52 - 100	2	20
Acetophenone	ND		7120	4240		ug/Kg	☼	60	48 - 100	4	17
Anthracene	ND		7120	4770		ug/Kg	☼	67	53 - 100	4	20
Atrazine	ND		7120	4520		ug/Kg	☼	63	49 - 103	4	19
Benzaldehyde	ND		7120	3800		ug/Kg	☼	53	23 - 105	4	31
Benzo[a]anthracene	ND		7120	4840		ug/Kg	☼	68	51 - 100	3	21
Benzo[a]pyrene	ND		7120	4690		ug/Kg	☼	66	51 - 100	2	20
Benzo[b]fluoranthene	ND		7120	4200		ug/Kg	☼	59	48 - 100	7	20
Benzo[g,h,i]perylene	ND		7120	5270		ug/Kg	☼	74	48 - 105	8	19
Benzo[k]fluoranthene	ND		7120	4560		ug/Kg	☼	64	19 - 100	2	20
1,1'-Biphenyl	ND		7120	4520		ug/Kg	☼	64	50 - 100	2	19
Bis(2-chloroethoxy)methane	ND		7120	4550		ug/Kg	☼	64	49 - 100	2	20
Bis(2-chloroethyl)ether	ND		7120	4410		ug/Kg	☼	62	48 - 100	2	18
Bis(2-ethylhexyl) phthalate	ND		7120	4970		ug/Kg	☼	70	53 - 107	1	20
4-Bromophenyl phenyl ether	ND		7120	4540		ug/Kg	☼	64	52 - 101	5	20
Butyl benzyl phthalate	ND		7120	5060		ug/Kg	☼	71	52 - 107	3	19
Caprolactam	ND		7120	5070		ug/Kg	☼	71	48 - 111	4	23
Carbazole	ND		7120	4830		ug/Kg	☼	68	53 - 100	4	20
4-Chloroaniline	ND		7120	4400		ug/Kg	☼	62	47 - 100	8	20
4-Chloro-3-methylphenol	ND		7120	4840		ug/Kg	☼	68	49 - 106	7	20
2-Chloronaphthalene	ND		7120	4370		ug/Kg	☼	61	51 - 100	2	20
2-Chlorophenol	ND		7120	4600		ug/Kg	☼	65	51 - 100	3	17
4-Chlorophenyl phenyl ether	ND		7120	4530		ug/Kg	☼	64	52 - 100	3	19
Chrysene	ND		7120	4520		ug/Kg	☼	63	50 - 100	2	20
Dibenz(a,h)anthracene	ND		7120	5230		ug/Kg	☼	73	50 - 107	6	21
Dibenzofuran	ND		7120	4410		ug/Kg	☼	62	52 - 100	3	19
3,3'-Dichlorobenzidine	ND		7120	4280		ug/Kg	☼	60	43 - 100	1	19
2,4-Dichlorophenol	ND		7120	4680		ug/Kg	☼	66	53 - 101	5	22
Diethyl phthalate	ND		7120	4890		ug/Kg	☼	69	48 - 104	0	20
2,4-Dimethylphenol	ND		7120	4590		ug/Kg	☼	64	51 - 101	4	32
Dimethyl phthalate	ND		7120	4740		ug/Kg	☼	67	53 - 100	2	21
Di-n-butyl phthalate	ND		7120	5180		ug/Kg	☼	73	57 - 102	6	20
4,6-Dinitro-2-methylphenol	ND		14200	8680		ug/Kg	☼	61	51 - 100	3	22
2,4-Dinitrophenol	ND		14200	7700		ug/Kg	☼	54	33 - 101	3	20
2,4-Dinitrotoluene	ND		7120	4970		ug/Kg	☼	70	54 - 104	2	20
2,6-Dinitrotoluene	ND		7120	4910		ug/Kg	☼	69	51 - 106	2	20
Di-n-octyl phthalate	ND		7120	5270		ug/Kg	☼	74	41 - 106	1	18
1,4-Dioxane	ND		7120	3380		ug/Kg	☼	47	25 - 125	3	17
Fluoranthene	ND		7120	4870		ug/Kg	☼	68	55 - 100	8	20
Fluorene	ND		7120	4720		ug/Kg	☼	66	52 - 100	2	19
Hexachlorobenzene	ND		7120	4510		ug/Kg	☼	63	49 - 100	3	20
Hexachlorobutadiene	ND		7120	4110		ug/Kg	☼	58	38 - 107	6	22
Hexachlorocyclopentadiene	ND		7120	4080		ug/Kg	☼	57	33 - 117	3	19
Hexachloroethane	ND		7120	4240		ug/Kg	☼	60	47 - 100	0	17
Indeno[1,2,3-cd]pyrene	ND		7120	5350		ug/Kg	☼	75	51 - 103	6	19
Isophorone	ND		7120	4600		ug/Kg	☼	65	48 - 105	7	20
2-Methylnaphthalene	ND		7120	4380		ug/Kg	☼	61	53 - 100	9	21

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

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 431791

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7120	4860		ug/Kg	☼	68	50 - 101	3	17
Methylphenol, 3 & 4	ND		7120	5030		ug/Kg	☼	71	50 - 103	1	19
Naphthalene	ND		7120	4160		ug/Kg	☼	58	51 - 100	6	20
2-Nitroaniline	ND		7120	5180		ug/Kg	☼	73	42 - 123	2	19
3-Nitroaniline	ND		7120	5140		ug/Kg	☼	72	50 - 103	1	20
4-Nitroaniline	ND		7120	5070		ug/Kg	☼	71	52 - 103	2	18
Nitrobenzene	ND		7120	4340		ug/Kg	☼	61	44 - 108	4	21
2-Nitrophenol	ND		7120	4790		ug/Kg	☼	67	55 - 107	5	19
4-Nitrophenol	ND		14200	9380		ug/Kg	☼	66	30 - 134	3	18
N-Nitrosodi-n-propylamine	ND		7120	4830		ug/Kg	☼	68	45 - 107	6	18
N-Nitrosodiphenylamine	ND		7120	4710		ug/Kg	☼	66	52 - 100	4	20
2,2'-oxybis[1-chloropropane]	ND		7120	4410		ug/Kg	☼	62	30 - 113	3	17
Pentachlorophenol	ND		14200	8180		ug/Kg	☼	57	42 - 110	4	20
Phenanthrene	ND		7120	4500		ug/Kg	☼	63	53 - 100	5	20
Phenol	ND		7120	4500		ug/Kg	☼	63	49 - 100	2	16
Pyrene	ND		7120	4820		ug/Kg	☼	68	52 - 100	1	20
1,2,4,5-Tetrachlorobenzene	ND		7120	4210		ug/Kg	☼	59	41 - 104	2	21
2,3,4,6-Tetrachlorophenol	ND		7120	4710		ug/Kg	☼	66	47 - 104	2	18
2,4,5-Trichlorophenol	ND		7120	5030		ug/Kg	☼	71	50 - 104	3	21
2,4,6-Trichlorophenol	ND		7120	4750		ug/Kg	☼	67	50 - 105	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*44 - 105*
2-Fluorophenol (Surr)	*59*		*48 - 105*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*
Phenol-d5 (Surr)	*61*		*46 - 105*
Terphenyl-d14 (Surr)	*62*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*

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

Lab Sample ID: MB 180-431069/1-C
Matrix: Solid
Analysis Batch: 431195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1221	ND		17	5.9	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1232	ND		17	4.1	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1242	ND		17	2.4	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1248	ND		17	4.0	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1254	ND		17	5.0	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1260	ND		17	4.7	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1262	ND		17	5.9	ug/Kg		04/03/23 06:41	04/04/23 19:49	1
PCB-1268	ND		17	2.2	ug/Kg		04/03/23 06:41	04/04/23 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*04/03/23 06:41*	*04/04/23 19:49*	*1*

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

Lab Sample ID: MB 180-431069/1-C
Matrix: Solid
Analysis Batch: 431195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431069

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	113		63 - 138	04/03/23 06:41	04/04/23 19:49	1
Tetrachloro-m-xylene (Surr)	110		55 - 135	04/03/23 06:41	04/04/23 19:49	1
Tetrachloro-m-xylene (Surr)	114		55 - 135	04/03/23 06:41	04/04/23 19:49	1

Lab Sample ID: LCS 180-431069/2-C
Matrix: Solid
Analysis Batch: 431195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431069

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1550		ug/Kg		116	43 - 136		
PCB-1260			1330	1520		ug/Kg		114	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	110		63 - 138
DCB Decachlorobiphenyl (Surr)	108		63 - 138
Tetrachloro-m-xylene (Surr)	108		55 - 135
Tetrachloro-m-xylene (Surr)	109		55 - 135

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 431195

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1410	1660		ug/Kg	☼	118	43 - 136		
PCB-1260	ND		1410	1800		ug/Kg	☼	127	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	107		63 - 138
DCB Decachlorobiphenyl (Surr)	103		63 - 138
Tetrachloro-m-xylene (Surr)	110		55 - 135
Tetrachloro-m-xylene (Surr)	111		55 - 135

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 431195

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1400	1420		ug/Kg	☼	101	43 - 136	16	40
PCB-1260	ND		1400	1590		ug/Kg	☼	114	55 - 128	12	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	94		63 - 138
DCB Decachlorobiphenyl (Surr)	98		63 - 138
Tetrachloro-m-xylene (Surr)	97		55 - 135
Tetrachloro-m-xylene (Surr)	97		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-431272/1-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Arsenic	ND		1.0	0.63	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Barium	ND		20	3.6	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Beryllium	ND		0.40	0.11	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Cadmium	ND		0.50	0.073	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Calcium	ND		500	65	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Chromium	ND		0.50	0.46	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Cobalt	ND		5.0	0.70	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Copper	ND		2.5	1.5	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Iron	ND		10	9.7	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Lead	ND		1.0	0.87	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Magnesium	ND		500	55	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Manganese	ND		1.5	0.28	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Nickel	ND		4.0	0.50	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Potassium	ND		500	85	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Selenium	ND		1.0	0.46	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Silver	ND		0.50	0.10	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Sodium	ND		500	51	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Thallium	ND		2.0	0.28	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Vanadium	ND		5.0	0.79	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Zinc	ND		2.0	1.5	mg/Kg		04/04/23 11:46	04/17/23 20:22	1

Lab Sample ID: LCS 180-431272/2-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	1150		mg/Kg		115	80 - 120
Arsenic	100	120		mg/Kg		120	80 - 120
Barium	100	112		mg/Kg		112	80 - 120
Beryllium	50.0	55.4		mg/Kg		111	80 - 120
Cadmium	50.0	56.6		mg/Kg		113	80 - 120
Calcium	5000	5740		mg/Kg		115	80 - 120
Chromium	50.0	57.4		mg/Kg		115	80 - 120
Cobalt	50.0	57.5		mg/Kg		115	80 - 120
Copper	50.0	56.1		mg/Kg		112	80 - 120
Iron	1000	1150		mg/Kg		115	80 - 120
Lead	50.0	56.9		mg/Kg		114	80 - 120
Magnesium	5000	5730		mg/Kg		115	80 - 120
Manganese	50.0	54.2		mg/Kg		108	80 - 120
Nickel	50.0	57.4		mg/Kg		115	80 - 120
Potassium	5000	5840		mg/Kg		117	80 - 120
Selenium	100	115		mg/Kg		115	80 - 120
Silver	25.0	28.1		mg/Kg		112	80 - 120
Sodium	5000	5930		mg/Kg		119	80 - 120
Thallium	100	110		mg/Kg		110	80 - 120
Vanadium	50.0	57.1		mg/Kg		114	80 - 120
Zinc	25.0	30.1		mg/Kg		120	80 - 120

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

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6700		1010	11200	4	mg/Kg	☼	444	75 - 125
Arsenic	5.0		101	96.6		mg/Kg	☼	91	75 - 125
Barium	54		101	163		mg/Kg	☼	108	75 - 125
Beryllium	0.21	J	50.4	40.6		mg/Kg	☼	80	75 - 125
Cadmium	0.39		50.4	41.4		mg/Kg	☼	81	75 - 125
Calcium	1700	F1	5040	7680		mg/Kg	☼	119	75 - 125
Chromium	8.5		50.4	54.8		mg/Kg	☼	92	75 - 125
Cobalt	6.1		50.4	57.4		mg/Kg	☼	102	75 - 125
Copper	39	F2 F1	50.4	78.7		mg/Kg	☼	79	75 - 125
Iron	17000		1010	25300	4	mg/Kg	☼	777	75 - 125
Lead	5.9		50.4	59.1		mg/Kg	☼	106	75 - 125
Magnesium	2200		5040	7520		mg/Kg	☼	105	75 - 125
Manganese	450		50.4	560	4	mg/Kg	☼	219	75 - 125
Nickel	15		50.4	69.0		mg/Kg	☼	107	75 - 125
Potassium	390		5040	4650		mg/Kg	☼	84	75 - 125
Selenium	ND		101	82.9		mg/Kg	☼	82	75 - 125
Silver	ND		25.2	21.1		mg/Kg	☼	84	75 - 125
Sodium	40	J	5040	4420		mg/Kg	☼	87	75 - 125
Thallium	0.27	J	101	87.3		mg/Kg	☼	86	75 - 125
Vanadium	10		50.4	56.0		mg/Kg	☼	91	75 - 125
Zinc	37	F1	25.2	78.3	F1	mg/Kg	☼	163	75 - 125

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 431272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	6700		1110	10700	4	mg/Kg	☼	364	75 - 125	4	20
Arsenic	5.0		111	115		mg/Kg	☼	99	75 - 125	18	20
Barium	54		111	177		mg/Kg	☼	110	75 - 125	8	20
Beryllium	0.21	J	55.6	46.8		mg/Kg	☼	84	75 - 125	14	20
Cadmium	0.39		55.6	49.1		mg/Kg	☼	88	75 - 125	17	20
Calcium	1700	F1	5560	9020	F1	mg/Kg	☼	132	75 - 125	16	20
Chromium	8.5		55.6	62.2		mg/Kg	☼	97	75 - 125	13	20
Cobalt	6.1		55.6	66.9		mg/Kg	☼	109	75 - 125	15	20
Copper	39	F2 F1	55.6	173	F1 F2	mg/Kg	☼	241	75 - 125	75	20
Iron	17000		1110	26200	4	mg/Kg	☼	787	75 - 125	4	20
Lead	5.9		55.6	67.3		mg/Kg	☼	110	75 - 125	13	20
Magnesium	2200		5560	8230		mg/Kg	☼	108	75 - 125	9	20
Manganese	450		55.6	663	4	mg/Kg	☼	383	75 - 125	17	20
Nickel	15		55.6	79.3		mg/Kg	☼	116	75 - 125	14	20
Potassium	390		5560	5290		mg/Kg	☼	88	75 - 125	13	20
Selenium	ND		111	99.7		mg/Kg	☼	90	75 - 125	18	20
Silver	ND		27.8	25.3		mg/Kg	☼	91	75 - 125	18	20
Sodium	40	J	5560	5170		mg/Kg	☼	92	75 - 125	16	20
Thallium	0.27	J	111	104		mg/Kg	☼	93	75 - 125	17	20
Vanadium	10		55.6	62.5		mg/Kg	☼	94	75 - 125	11	20
Zinc	37	F1	27.8	86.1	F1	mg/Kg	☼	176	75 - 125	10	20

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

Lab Sample ID: MB 180-431789/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Antimony	ND		1.0	0.30	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Arsenic	ND		1.0	0.63	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Barium	ND		20	3.6	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Beryllium	ND		0.40	0.11	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Cadmium	ND		0.50	0.073	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Calcium	ND		500	65	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Chromium	ND		0.50	0.46	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Cobalt	ND		5.0	0.70	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Copper	ND		2.5	1.5	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Iron	ND		10	9.7	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Lead	ND		1.0	0.87	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Magnesium	ND		500	55	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Manganese	ND		1.5	0.28	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Nickel	ND		4.0	0.50	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Potassium	ND		500	85	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Selenium	ND		1.0	0.46	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Silver	ND		0.50	0.10	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Sodium	ND		500	51	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Thallium	ND		2.0	0.28	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Vanadium	ND		5.0	0.79	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Zinc	1.92	J	2.0	1.5	mg/Kg		04/10/23 08:08	04/20/23 09:32	1

Lab Sample ID: LCS 180-431789/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	520		mg/Kg		104	80 - 120
Antimony	25.0	26.1		mg/Kg		104	80 - 120
Arsenic	100	107		mg/Kg		107	80 - 120
Barium	100	102		mg/Kg		102	80 - 120
Beryllium	50.0	51.5		mg/Kg		103	80 - 120
Cadmium	50.0	51.2		mg/Kg		102	80 - 120
Calcium	2500	2620		mg/Kg		105	80 - 120
Chromium	50.0	52.2		mg/Kg		104	80 - 120
Cobalt	50.0	51.6		mg/Kg		103	80 - 120
Copper	50.0	51.3		mg/Kg		103	80 - 120
Iron	500	536		mg/Kg		107	80 - 120
Lead	50.0	51.6		mg/Kg		103	80 - 120
Magnesium	2500	2640		mg/Kg		106	80 - 120
Manganese	50.0	50.5		mg/Kg		101	80 - 120
Nickel	50.0	51.5		mg/Kg		103	80 - 120
Potassium	2500	2590		mg/Kg		104	80 - 120
Selenium	100	104		mg/Kg		104	80 - 120
Silver	25.0	25.4		mg/Kg		101	80 - 120
Sodium	2500	2640		mg/Kg		106	80 - 120
Thallium	100	101		mg/Kg		101	80 - 120
Vanadium	50.0	52.6		mg/Kg		105	80 - 120

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

Lab Sample ID: LCS 180-431789/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431789

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Zinc			25.0	27.2		mg/Kg		109	80 - 120		

Lab Sample ID: 180-154374-19 MS
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-DUP292
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	6700		248	8220	4	mg/Kg	☼	608	75 - 125		
Antimony	ND	F1	12.4	4.57	F1	mg/Kg	☼	37	75 - 125		
Barium	50		49.7	106		mg/Kg	☼	111	75 - 125		
Beryllium	0.26	J F1	24.8	19.1		mg/Kg	☼	76	75 - 125		
Calcium	1800	F1	1240	2900		mg/Kg	☼	92	75 - 125		
Chromium	8.3		24.8	29.4		mg/Kg	☼	85	75 - 125		
Cobalt	7.0		24.8	31.6		mg/Kg	☼	99	75 - 125		
Copper	11		24.8	33.2		mg/Kg	☼	91	75 - 125		
Magnesium	2200	F1	1240	3540		mg/Kg	☼	110	75 - 125		
Manganese	320		24.8	404	4	mg/Kg	☼	329	75 - 125		
Nickel	13		24.8	41.3		mg/Kg	☼	112	75 - 125		
Potassium	380	F1	1240	1420		mg/Kg	☼	84	75 - 125		
Selenium	ND	F1	49.7	38.1		mg/Kg	☼	77	75 - 125		
Silver	ND	F1	12.4	9.71		mg/Kg	☼	78	75 - 125		
Sodium	ND	F1	1240	1030		mg/Kg	☼	83	75 - 125		
Vanadium	10		24.8	32.1		mg/Kg	☼	87	75 - 125		
Zinc	38	F1 B	12.4	52.2		mg/Kg	☼	112	75 - 125		

Lab Sample ID: 180-154374-19 MS
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-DUP292
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	5.5	F2	49.7	50.6		mg/Kg	☼	91	75 - 125		
Cadmium	0.46	J F1	24.8	21.1		mg/Kg	☼	83	75 - 125		
Iron	18000		248	22100	4	mg/Kg	☼	1691	75 - 125		
Lead	9.9	F2	24.8	32.0		mg/Kg	☼	89	75 - 125		
Thallium	0.73	J	49.7	43.4		mg/Kg	☼	86	75 - 125		

Lab Sample ID: 180-154374-19 MSD
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-DUP292
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	6700		265	9530	4	mg/Kg	☼	1062	75 - 125	15	20
Antimony	ND	F1	13.2	4.15	F1	mg/Kg	☼	31	75 - 125	10	20
Barium	50		53.0	107		mg/Kg	☼	108	75 - 125	2	20
Beryllium	0.26	J F1	26.5	17.6	F1	mg/Kg	☼	65	75 - 125	8	20
Calcium	1800	F1	1320	3430	F1	mg/Kg	☼	126	75 - 125	17	20
Chromium	8.3		26.5	29.5		mg/Kg	☼	80	75 - 125	0	20
Cobalt	7.0		26.5	31.4		mg/Kg	☼	92	75 - 125	1	20
Copper	11		26.5	38.5		mg/Kg	☼	105	75 - 125	15	20

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

Lab Sample ID: 180-154374-19 MSD
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-DUP292
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	2200	F1	1320	3950	F1	mg/Kg	☼	134	75 - 125	11	20
Manganese	320		26.5	415	4	mg/Kg	☼	347	75 - 125	3	20
Nickel	13		26.5	43.0		mg/Kg	☼	112	75 - 125	4	20
Potassium	380	F1	1320	1280	F1	mg/Kg	☼	68	75 - 125	10	20
Selenium	ND	F1	53.0	34.7	F1	mg/Kg	☼	65	75 - 125	9	20
Silver	ND	F1	13.2	9.06	F1	mg/Kg	☼	68	75 - 125	7	20
Sodium	ND	F1	1320	948	F1	mg/Kg	☼	72	75 - 125	8	20
Vanadium	10		26.5	32.3		mg/Kg	☼	82	75 - 125	1	20
Zinc	38	F1 B	13.2	60.2	F1	mg/Kg	☼	166	75 - 125	14	20

Lab Sample ID: 180-154374-19 MSD
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-DUP292
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.5	F2	53.0	65.4	F2	mg/Kg	☼	113	75 - 125	25	20
Cadmium	0.46	J F1	26.5	19.5	F1	mg/Kg	☼	72	75 - 125	8	20
Iron	18000		265	25600	4	mg/Kg	☼	2891	75 - 125	15	20
Lead	9.9	F2	26.5	39.6	F2	mg/Kg	☼	112	75 - 125	21	20
Thallium	0.73	J	53.0	41.4		mg/Kg	☼	77	75 - 125	5	20

Lab Sample ID: MB 180-431793/1-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Antimony	ND		1.0	0.30	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Barium	ND		20	3.6	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Beryllium	ND		0.40	0.11	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Cadmium	ND		0.50	0.073	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Calcium	ND		500	65	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Chromium	ND		0.50	0.46	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Cobalt	ND		5.0	0.70	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Copper	ND		2.5	1.5	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Iron	ND		10	9.7	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Lead	ND		1.0	0.87	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Manganese	ND		1.5	0.28	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Nickel	ND		4.0	0.50	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Selenium	ND		1.0	0.46	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Silver	ND		0.50	0.10	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Thallium	ND		2.0	0.28	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Vanadium	ND		5.0	0.79	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Zinc	1.61	J	2.0	1.5	mg/Kg		04/10/23 08:17	04/22/23 02:09	1

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

Lab Sample ID: MB 180-431793/1-A
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		04/10/23 08:17	04/26/23 21:40	1
Magnesium	ND		500	55	mg/Kg		04/10/23 08:17	04/26/23 21:40	1
Potassium	ND		500	85	mg/Kg		04/10/23 08:17	04/26/23 21:40	1
Sodium	ND		500	51	mg/Kg		04/10/23 08:17	04/26/23 21:40	1

Lab Sample ID: LCS 180-431793/2-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	507		mg/Kg		101	80 - 120
Antimony	25.0	25.9		mg/Kg		103	80 - 120
Barium	100	101		mg/Kg		101	80 - 120
Beryllium	50.0	49.4		mg/Kg		99	80 - 120
Cadmium	50.0	52.1		mg/Kg		104	80 - 120
Calcium	2500	2600		mg/Kg		104	80 - 120
Chromium	50.0	50.5		mg/Kg		101	80 - 120
Cobalt	50.0	49.6		mg/Kg		99	80 - 120
Copper	50.0	48.6		mg/Kg		97	80 - 120
Iron	500	516		mg/Kg		103	80 - 120
Lead	50.0	50.4		mg/Kg		101	80 - 120
Manganese	50.0	49.0		mg/Kg		98	80 - 120
Nickel	50.0	50.1		mg/Kg		100	80 - 120
Selenium	100	102		mg/Kg		102	80 - 120
Silver	25.0	23.5		mg/Kg		94	80 - 120
Thallium	100	98.6		mg/Kg		99	80 - 120
Vanadium	50.0	50.3		mg/Kg		101	80 - 120
Zinc	25.0	28.9		mg/Kg		115	80 - 120

Lab Sample ID: LCS 180-431793/2-A
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	107		mg/Kg		107	80 - 120
Magnesium	2500	2570		mg/Kg		103	80 - 120
Potassium	2500	2650		mg/Kg		106	80 - 120
Sodium	2500	2670		mg/Kg		107	80 - 120

Lab Sample ID: MB 180-431898/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Antimony	ND		1.0	0.30	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Arsenic	ND		1.0	0.63	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Barium	ND		20	3.6	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Beryllium	ND		0.40	0.11	mg/Kg		04/11/23 07:26	04/20/23 17:52	1

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

Lab Sample ID: MB 180-431898/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.50	0.073	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Calcium	ND		500	65	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Chromium	ND		0.50	0.46	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Cobalt	ND		5.0	0.70	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Copper	ND		2.5	1.5	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Iron	ND		10	9.7	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Lead	ND		1.0	0.87	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Magnesium	ND		500	55	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Manganese	ND		1.5	0.28	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Nickel	ND		4.0	0.50	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Potassium	229	J	500	85	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Selenium	ND		1.0	0.46	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Silver	ND		0.50	0.10	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Sodium	ND		500	51	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Thallium	ND		2.0	0.28	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Vanadium	ND		5.0	0.79	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Zinc	ND		2.0	1.5	mg/Kg		04/11/23 07:26	04/20/23 17:52	1

Lab Sample ID: LCS 180-431898/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	459		mg/Kg		92	80 - 120
Antimony	25.0	22.7		mg/Kg		91	80 - 120
Arsenic	100	96.0		mg/Kg		96	80 - 120
Barium	100	91.9		mg/Kg		92	80 - 120
Beryllium	50.0	45.8		mg/Kg		92	80 - 120
Cadmium	50.0	46.4		mg/Kg		93	80 - 120
Calcium	2500	2320		mg/Kg		93	80 - 120
Chromium	50.0	45.2		mg/Kg		90	80 - 120
Cobalt	50.0	44.9		mg/Kg		90	80 - 120
Copper	50.0	44.9		mg/Kg		90	80 - 120
Iron	500	475		mg/Kg		95	80 - 120
Lead	50.0	43.6		mg/Kg		87	80 - 120
Magnesium	2500	2390		mg/Kg		96	80 - 120
Manganese	50.0	44.2		mg/Kg		88	80 - 120
Nickel	50.0	44.4		mg/Kg		89	80 - 120
Potassium	2500	2350		mg/Kg		94	80 - 120
Selenium	100	90.3		mg/Kg		90	80 - 120
Silver	25.0	21.7		mg/Kg		87	80 - 120
Sodium	2500	2370		mg/Kg		95	80 - 120
Thallium	100	85.4		mg/Kg		85	80 - 120
Vanadium	50.0	44.5		mg/Kg		89	80 - 120
Zinc	25.0	24.7		mg/Kg		99	80 - 120

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

Lab Sample ID: 180-154374-18 MS
Client Sample ID: SSHS-IRM5A2-MSA-B58
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432977
Prep Batch: 431898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9000		406	8380	4	mg/Kg	☼	-163	75 - 125
Antimony	ND	F1	20.3	6.07	F1	mg/Kg	☼	30	75 - 125
Arsenic	8.0		81.2	71.0		mg/Kg	☼	78	75 - 125
Barium	67		81.2	133		mg/Kg	☼	82	75 - 125
Beryllium	0.56	F1	40.6	30.5	F1	mg/Kg	☼	74	75 - 125
Cadmium	0.86	F1	40.6	30.9	F1	mg/Kg	☼	74	75 - 125
Calcium	2400	F2 F1	2030	6900	F1	mg/Kg	☼	220	75 - 125
Chromium	12	F1	40.6	40.6	F1	mg/Kg	☼	69	75 - 125
Cobalt	10		40.6	41.5		mg/Kg	☼	77	75 - 125
Copper	28	F2 F1	40.6	55.0	F1	mg/Kg	☼	67	75 - 125
Iron	23000		406	20900	4	mg/Kg	☼	-493	75 - 125
Lead	14	F1	40.6	41.7	F1	mg/Kg	☼	69	75 - 125
Magnesium	3100	F1	2030	4240	F1	mg/Kg	☼	58	75 - 125
Manganese	350		40.6	522	4	mg/Kg	☼	434	75 - 125
Nickel	21	F1	40.6	49.3	F1	mg/Kg	☼	70	75 - 125
Potassium	600	F1 B	2030	1840	F1	mg/Kg	☼	61	75 - 125
Selenium	0.55	J F1	81.2	60.3	F1	mg/Kg	☼	74	75 - 125
Silver	0.12	J	20.3	15.4		mg/Kg	☼	75	75 - 125
Sodium	47	J	2030	1620		mg/Kg	☼	78	75 - 125
Thallium	1.0	J	81.2	63.3		mg/Kg	☼	77	75 - 125
Vanadium	14	F1	40.6	42.4	F1	mg/Kg	☼	70	75 - 125
Zinc	51	F1	20.3	60.1	F1	mg/Kg	☼	45	75 - 125

Lab Sample ID: 180-154374-18 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B58
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432977
Prep Batch: 431898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9000		337	9400	4	mg/Kg	☼	108	75 - 125	12	20
Antimony	ND	F1	16.8	5.74	F1	mg/Kg	☼	34	75 - 125	6	20
Arsenic	8.0		67.4	64.2		mg/Kg	☼	83	75 - 125	10	20
Barium	67		67.4	132		mg/Kg	☼	97	75 - 125	1	20
Beryllium	0.56	F1	33.7	25.8		mg/Kg	☼	75	75 - 125	17	20
Cadmium	0.86	F1	33.7	26.4		mg/Kg	☼	76	75 - 125	16	20
Calcium	2400	F2 F1	1680	4020	F2	mg/Kg	☼	95	75 - 125	53	20
Chromium	12	F1	33.7	36.6	F1	mg/Kg	☼	72	75 - 125	10	20
Cobalt	10		33.7	38.8		mg/Kg	☼	85	75 - 125	7	20
Copper	28	F2 F1	33.7	41.5	F2 F1	mg/Kg	☼	41	75 - 125	28	20
Iron	23000		337	24000	4	mg/Kg	☼	311	75 - 125	14	20
Lead	14	F1	33.7	41.9		mg/Kg	☼	83	75 - 125	0	20
Magnesium	3100	F1	1680	4240	F1	mg/Kg	☼	70	75 - 125	0	20
Manganese	350		33.7	519	4	mg/Kg	☼	514	75 - 125	1	20
Nickel	21	F1	33.7	48.4		mg/Kg	☼	82	75 - 125	2	20
Potassium	600	F1 B	1680	1730	F1	mg/Kg	☼	67	75 - 125	6	20
Selenium	0.55	J F1	67.4	50.7	F1	mg/Kg	☼	74	75 - 125	17	20
Silver	0.12	J	16.8	13.0		mg/Kg	☼	77	75 - 125	16	20
Sodium	47	J	1680	1380		mg/Kg	☼	79	75 - 125	16	20
Thallium	1.0	J	67.4	54.9		mg/Kg	☼	80	75 - 125	14	20
Vanadium	14	F1	33.7	39.2		mg/Kg	☼	75	75 - 125	8	20

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

Lab Sample ID: 180-154374-18 MSD
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-MSA-B58
Prep Type: Total/NA
Prep Batch: 431898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	51	F1	16.8	63.7		mg/Kg	☼	76	75 - 125	6	20

Lab Sample ID: MB 180-432623/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.30	mg/Kg		04/18/23 10:54	04/20/23 12:59	1

Lab Sample ID: LCS 180-432623/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	25.0	28.1		mg/Kg		112	80 - 120

Lab Sample ID: 180-154374-14 MS
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 432623

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F2 F1	16.3	5.34	F1	mg/Kg	☼	33	75 - 125

Lab Sample ID: 180-154374-14 MSD
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: SSHS-IRM5A2-MSA-B54
Prep Type: Total/NA
Prep Batch: 432623

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F2 F1	19.1	10.7	F2 F1	mg/Kg	☼	56	75 - 125	67	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-432674/1-A
Matrix: Solid
Analysis Batch: 433207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/21/23 10:45	04/24/23 10:45	1

Lab Sample ID: LCS 180-432674/2-A
Matrix: Solid
Analysis Batch: 433207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.418		mg/Kg		100	80 - 120

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

Lab Sample ID: 180-154374-14 MS
Client Sample ID: SSHS-IRM5A2-MSA-B54
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433207
Prep Batch: 432674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.178	0.177		mg/Kg	☼	99	80 - 120

Lab Sample ID: 180-154374-14 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B54
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433207
Prep Batch: 432674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.167	0.156		mg/Kg	☼	93	80 - 120	12	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-154374-14 DU
Client Sample ID: SSHS-IRM5A2-MSA-B54
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431137

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.4		6.1		%		5	10
Percent Solids	93.6		93.9		%		0.3	10

GC/MS VOA

Analysis Batch: 431516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 8260C	431630
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	EPA 8260C	431630
MB 180-431516/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431516/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 431630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	5035	
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	5035	
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	5035	

Analysis Batch: 431668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8260C	431723
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	EPA 8260C	431723
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	EPA 8260C	431723
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	EPA 8260C	431723
MB 180-431668/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431668/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-431668/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8260C	431723
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8260C	431723

Prep Batch: 431723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	5035	
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	5035	
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	5035	
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	5035	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	5035	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	5035	

Analysis Batch: 431744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 8260C	431630
MB 180-431744/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431744/11	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Analysis Batch: 432181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	EPA 8260C	432248
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	EPA 8260C	432248
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	EPA 8260C	432248
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	EPA 8260C	432248
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	EPA 8260C	432248
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	EPA 8260C	432248
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	EPA 8260C	432248
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	EPA 8260C	432248
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	EPA 8260C	432248
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	EPA 8260C	432248
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	EPA 8260C	432248

GC/MS VOA (Continued)

Analysis Batch: 432181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	EPA 8260C	432248
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	EPA 8260C	432248
MB 180-432181/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-432181/18	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 432248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	5035	
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	5035	
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	5035	
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	5035	
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	5035	
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	5035	
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	5035	
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	5035	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	5035	
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	5035	
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	5035	
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	5035	
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 431775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	3541	
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	3541	
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	3541	
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	3541	
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	3541	
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	3541	
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	3541	
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	3541	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	3541	
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	3541	
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	3541	
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	3541	
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	3541	
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3541	
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	3541	
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	3541	
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	3541	
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3541	
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	3541	
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	3541	
MB 180-431775/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-431775/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3541	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3541	

GC/MS Semi VOA

Analysis Batch: 431791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	EPA 8270D	431775
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	EPA 8270D	431775
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	EPA 8270D	431775
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	EPA 8270D	431775
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8270D	431775
MB 180-431775/1-A	Method Blank	Total/NA	Solid	EPA 8270D	431775
LCS 180-431775/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	431775
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8270D	431775
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8270D	431775

Analysis Batch: 431822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	EPA 8270D	431775
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	EPA 8270D	431775
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	EPA 8270D	431775
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	EPA 8270D	431775
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	EPA 8270D	431775
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	EPA 8270D	431775
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	EPA 8270D	431775
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	EPA 8270D	431775
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	EPA 8270D	431775
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	EPA 8270D	431775
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	EPA 8270D	431775
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	EPA 8270D	431775
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 8270D	431775
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 8270D	431775
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	EPA 8270D	431775

GC Semi VOA

Prep Batch: 431069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	3541	
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	3541	
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	3541	
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	3541	
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	3541	
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	3541	
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	3541	
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	3541	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	3541	
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	3541	
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	3541	
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	3541	
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	3541	
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3541	
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	3541	
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	3541	
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	3541	
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3541	
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 431069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	3541	
MB 180-431069/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-431069/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3541	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3541	

Analysis Batch: 431195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	EPA 8082A	431201
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	EPA 8082A	431201
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	EPA 8082A	431201
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	EPA 8082A	431201
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	EPA 8082A	431201
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	EPA 8082A	431201
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	EPA 8082A	431201
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	EPA 8082A	431201
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	EPA 8082A	431201
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	EPA 8082A	431201
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	EPA 8082A	431201
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	EPA 8082A	431201
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	EPA 8082A	431201
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8082A	431201
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	EPA 8082A	431201
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	EPA 8082A	431201
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	EPA 8082A	431201
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 8082A	431201
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 8082A	431201
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	EPA 8082A	431201
MB 180-431069/1-C	Method Blank	Total/NA	Solid	EPA 8082A	431201
LCS 180-431069/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	431201
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8082A	431201
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 8082A	431201

Cleanup Batch: 431200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	3665A	431069
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	3665A	431069
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	3665A	431069
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	3665A	431069
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	3665A	431069
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	3665A	431069
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	3665A	431069
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	3665A	431069
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	3665A	431069
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	3665A	431069
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	3665A	431069
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	3665A	431069
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	3665A	431069
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3665A	431069
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	3665A	431069
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	3665A	431069

GC Semi VOA (Continued)

Cleanup Batch: 431200 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	3665A	431069
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3665A	431069
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	3665A	431069
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	3665A	431069
MB 180-431069/1-C	Method Blank	Total/NA	Solid	3665A	431069
LCS 180-431069/2-C	Lab Control Sample	Total/NA	Solid	3665A	431069
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3665A	431069
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3665A	431069

Cleanup Batch: 431201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	3660B	431200
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	3660B	431200
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	3660B	431200
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	3660B	431200
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	3660B	431200
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	3660B	431200
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	3660B	431200
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	3660B	431200
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	3660B	431200
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	3660B	431200
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	3660B	431200
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	3660B	431200
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	3660B	431200
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3660B	431200
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	3660B	431200
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	3660B	431200
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	3660B	431200
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3660B	431200
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	3660B	431200
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	3660B	431200
MB 180-431069/1-C	Method Blank	Total/NA	Solid	3660B	431200
LCS 180-431069/2-C	Lab Control Sample	Total/NA	Solid	3660B	431200
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3660B	431200
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3660B	431200

Metals

Prep Batch: 431272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3050B	
MB 180-431272/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431272/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3050B	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3050B	

Prep Batch: 431789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	3050B	
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	3050B	
MB 180-431789/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 431789 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-431789/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154374-19 MS	SSHS-IRM5A2-DUP292	Total/NA	Solid	3050B	
180-154374-19 MSD	SSHS-IRM5A2-DUP292	Total/NA	Solid	3050B	

Prep Batch: 431793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	3050B	
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	3050B	
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	3050B	
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	3050B	
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	3050B	
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	3050B	
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	3050B	
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	3050B	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	3050B	
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	3050B	
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	3050B	
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	3050B	
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	3050B	
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	3050B	
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	3050B	
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	3050B	
MB 180-431793/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431793/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 431898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3050B	
MB 180-431898/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431898/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154374-18 MS	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3050B	
180-154374-18 MSD	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	3050B	

Analysis Batch: 432570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 6010C	431272
MB 180-431272/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431272
LCS 180-431272/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431272
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 6010C	431272
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 6010C	431272

Prep Batch: 432623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3050B	
MB 180-432623/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-432623/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3050B	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	3050B	

Metals

Prep Batch: 432674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	7471B	
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	7471B	
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	7471B	
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	7471B	
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	7471B	
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	7471B	
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	7471B	
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	7471B	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	7471B	
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	7471B	
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	7471B	
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	7471B	
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	7471B	
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	7471B	
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	7471B	
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	7471B	
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	7471B	
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	7471B	
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	7471B	
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	7471B	
MB 180-432674/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432674/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	7471B	
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	7471B	

Analysis Batch: 432977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 6010C	432623
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 6010C	431898
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 6010C	431789
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 6010C	431789
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	EPA 6010C	431789
MB 180-431789/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431789
MB 180-431898/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431898
MB 180-432623/1-A	Method Blank	Total/NA	Solid	EPA 6010C	432623
LCS 180-431789/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431789
LCS 180-431898/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431898
LCS 180-432623/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	432623
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 6010C	432623
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 6010C	432623
180-154374-18 MS	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 6010C	431898
180-154374-18 MSD	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 6010C	431898
180-154374-19 MS	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 6010C	431789
180-154374-19 MS	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 6010C	431789
180-154374-19 MSD	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 6010C	431789
180-154374-19 MSD	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 6010C	431789

Analysis Batch: 433149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	EPA 6010C	431793
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	EPA 6010C	431793

Metals (Continued)

Analysis Batch: 433149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	EPA 6010C	431793
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	EPA 6010C	431793
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	EPA 6010C	431793
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	EPA 6010C	431793
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	EPA 6010C	431793
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	EPA 6010C	431793
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	EPA 6010C	431793
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	EPA 6010C	431793
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	EPA 6010C	431793
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	EPA 6010C	431793
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	EPA 6010C	431793
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	EPA 6010C	431793
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	EPA 6010C	431793
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	EPA 6010C	431793
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	EPA 6010C	431793
MB 180-431793/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431793
LCS 180-431793/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431793

Analysis Batch: 433207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	EPA 7471B	432674
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	EPA 7471B	432674
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	EPA 7471B	432674
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	EPA 7471B	432674
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	EPA 7471B	432674
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	EPA 7471B	432674
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	EPA 7471B	432674
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	EPA 7471B	432674
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	EPA 7471B	432674
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	EPA 7471B	432674
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	EPA 7471B	432674
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	EPA 7471B	432674
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	EPA 7471B	432674
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 7471B	432674
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	EPA 7471B	432674
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	EPA 7471B	432674
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	EPA 7471B	432674
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	EPA 7471B	432674
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	EPA 7471B	432674
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	EPA 7471B	432674
MB 180-432674/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432674
LCS 180-432674/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432674
180-154374-14 MS	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 7471B	432674
180-154374-14 MSD	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	EPA 7471B	432674

Analysis Batch: 433520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-431793/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431793
LCS 180-431793/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431793

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154374-1
Project/Site: Former Sperry Remington-Documentation

General Chemistry

Analysis Batch: 431137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-1	SSHS-IRM5A2-MSA-B42	Total/NA	Solid	2540G	
180-154374-2	SSHS-IRM5A2-MSA-B43	Total/NA	Solid	2540G	
180-154374-3	SSHS-IRM5A2-MSA-B44	Total/NA	Solid	2540G	
180-154374-4	SSHS-IRM5A2-MSA-B45	Total/NA	Solid	2540G	
180-154374-5	SSHS-IRM5A2-MSA-B46	Total/NA	Solid	2540G	
180-154374-6	SSHS-IRM5A2-MSA-B47	Total/NA	Solid	2540G	
180-154374-7	SSHS-IRM5A2-MSA-B48	Total/NA	Solid	2540G	
180-154374-8	SSHS-IRM5A2-DUP291	Total/NA	Solid	2540G	
180-154374-9	SSHS-IRM5A2-MSA-B49	Total/NA	Solid	2540G	
180-154374-10	SSHS-IRM5A2-MSA-B50	Total/NA	Solid	2540G	
180-154374-11	SSHS-IRM5A2-MSA-B51	Total/NA	Solid	2540G	
180-154374-12	SSHS-IRM5A2-MSA-B52	Total/NA	Solid	2540G	
180-154374-13	SSHS-IRM5A2-MSA-B53	Total/NA	Solid	2540G	
180-154374-14	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	2540G	
180-154374-15	SSHS-IRM5A2-MSA-B55	Total/NA	Solid	2540G	
180-154374-16	SSHS-IRM5A2-MSA-B56	Total/NA	Solid	2540G	
180-154374-17	SSHS-IRM5A2-MSA-B57	Total/NA	Solid	2540G	
180-154374-18	SSHS-IRM5A2-MSA-B58	Total/NA	Solid	2540G	
180-154374-19	SSHS-IRM5A2-DUP292	Total/NA	Solid	2540G	
180-154374-14 DU	SSHS-IRM5A2-MSA-B54	Total/NA	Solid	2540G	

Analysis Batch: 431138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154374-20	SSHS-IRM5A2-MSA-B59	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B42	3/30/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B43	3/30/23	1305	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B44	3/30/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B45	3/30/23	1315	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B46	3/30/23	1320	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B47	3/30/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B48	3/30/23	1330	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP291	3/30/23	–	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-MSA-B49	3/30/23	1335	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B50	3/30/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B51	3/30/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B52	3/30/23	1350	G	S	N	N	X	X	X	X			6	

180-154374 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
	3130123/1700			3/31/23 9:18	EDF INC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B53	3/30/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B54	3/30/23	1400	G	S	N	Y	X	X	X	X	X	X	16	
SSHS-IRM5A2-MSA-B55	3/30/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B56	3/30/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B57	3/30/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B58	3/30/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-DUP292	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B59	3/30/23	1425	G	S	N	N	X	X	X	X	X	X	8	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	3/30/23 1700	Company: Geosyntec	[signature]	3/31/23 9:18	EPIDYNE
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154374 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B42	3/30/23	1300	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B43	3/30/23	1305	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B44	3/30/23	1310	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B45	3/30/23	1315	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B46	3/30/23	1320	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B47	3/30/23	1325	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B48	3/30/23	1330	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP291	3/30/23	--	G	S	N	N	X	X	X	X										8	
SSHS-IRM5A2-MSA-B49	3/30/23	1335	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B50	3/30/23	1340	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B51	3/30/23	1345	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B52	3/30/23	1350	G	S	N	N	X	X	X	X										6	

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

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Mu Aaron Krasnopoler	Date/Time: 3/30/23 1700	Company: Geosyntec	Received by:	Date/Time: 3/31/23 930	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.9

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B53	3/30/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B54	3/30/23	1400	G	S	N	Y	X	X	X	X	X	X	16	
SSHS-IRM5A2-MSA-B55	3/30/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B56	3/30/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B57	3/30/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B58	3/30/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-DUP292	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B59	3/30/23	1425	G	S	N	N	X	X	X	X	X	X	8	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Ann	Date/Time: 3/30/23/1700	Company: Geosyntec	Received by:	Date/Time: 3/31/23 930	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.9		

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154374 Field Sheet

Job: _____

Tracking # : 7716 5676 3051

SO / EO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: _____

Temp Observed: 4.9 °C Corrected: 4.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/31/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 3-31-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 3-31-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154374-1

Login Number: 154374
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154242-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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Authorized for release by
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Job ID: 180-154242-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154242-1

Receipt
The samples were received on 3/29/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0º C, 3.0º C, 4.3º C and 5.4º C.

GC/MS VOA
Method 8260C: Sample SSHS-IRM5A2-MSA-B3 (180-154242-3) had all internal standard (ISTD) responses below criteria. This was noted after the holding time had passed, therefore re-analysis was not completed.

Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 the following samples was above the control limits: SSHS-IRM5A2-MSA-B10 (180-154242-10), SSHS-IRM5A2-DUP287 (180-154242-11), SSHS-IRM5A2-MSA-B11 (180-154242-12), SSHS-IRM5A2-MSA-B12 (180-154242-13), and SSHS-IRM5A2-MSA-B17 (180-154242-18). As the surrogates were high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: Sample SSHS-IRM5A2-MSA-B14 (180-154242-15) had the internal standard (ISTD) responses of Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 above criteria. This was noted after the holding time had passed, therefore re-analysis was not completed.

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: SSHS-IRM5A2-MSA-B17 (180-154242-18). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: Sample SSHS-IRM5A2-MSA-B17 (180-154242-18) was analyzed 10 minutes past the 12 hour BFB tune period. This was noted after the holding time had passed, therefore re-analysis was not completed.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-431091 was above the control limits for the following analyte: 2-Butanone. The recoveries were within the control limits.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-3431228 recovered above the control limits for the following analytes: Acetone, 1,4-Dioxane, and Methyl acetate. As these analytes were biased high in the LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431023 was below criteria for the following analytes: Bromomethane, Dichlorodifluoromethane, and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431023 was above criteria for the following analyte: Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431091 was elow criteria for the following analytes: Dichlorodifluoromethane, 1,4-Dioxane ,Chloromethane, Bromomethane, Chloroethane, 2-Butanone, and 1,2-Dichloroethane-d4 (surrogate). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431228 was below criteria for the following analyte: Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431228 was above criteria for the following analytes: Carbon disulfide, Dichlorodifluoromethane, Methylene Chloride, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Job ID: 180-154242-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

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

GC/MS Semi VOA

Method 8270D: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 180-431029 was above the control limits for the following analyte: 2,4-Dinitrophenol. The recoveries were within the control limits.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B20 (180-154242-22) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-431029 was above criteria for the following analyte: 2,4,6-Tribromophenol (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-431210 was above criteria for the following analytes: Benzaldehyde, Di-n-octyl phthalate, 2-Nitroaniline, and Nitrobenzene-d5 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-431008 (CCV 180-431008/1) was above criteria for aroclor 1254 on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

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

Metals

Method 6010C: The following sample was diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-MSA-B20 (180-154242-22). Elevated reporting limits (RLs) are provided.

Method 6010C: The method blank for preparation batch 180-431235 contained iron above the reporting limit (RL). As the associated samples contained iron at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The method blank for preparation batch 180-431434 contained iron above the reporting limit (RL). As the associated samples contained iron at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B20 (180-154242-22) had several recoveries and the majority of RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits. The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) was greater than 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated RPD values were obtained.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B5 (180-154242-5) had several recoveries and many RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits. The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) was greater than 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated RPD values were obtained.

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

General Chemistry

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154242-1	SSHS-IRM5A2-MSA-B1	Solid	03/28/23 14:00	03/29/23 09:50
180-154242-2	SSHS-IRM5A2-MSA-B2	Solid	03/28/23 14:05	03/29/23 09:50
180-154242-3	SSHS-IRM5A2-MSA-B3	Solid	03/28/23 14:10	03/29/23 09:50
180-154242-4	SSHS-IRM5A2-MSA-B4	Solid	03/28/23 14:15	03/29/23 09:50
180-154242-5	SSHS-IRM5A2-MSA-B5	Solid	03/28/23 14:20	03/29/23 09:50
180-154242-6	SSHS-IRM5A2-MSA-B6	Solid	03/28/23 14:25	03/29/23 09:50
180-154242-7	SSHS-IRM5A2-MSA-B7	Solid	03/28/23 14:30	03/29/23 09:50
180-154242-8	SSHS-IRM5A2-MSA-B8	Solid	03/28/23 14:35	03/29/23 09:50
180-154242-9	SSHS-IRM5A2-MSA-B9	Solid	03/28/23 14:40	03/29/23 09:50
180-154242-10	SSHS-IRM5A2-MSA-B10	Solid	03/28/23 14:45	03/29/23 09:50
180-154242-11	SSHS-IRM5A2-DUP287	Solid	03/28/23 00:00	03/29/23 09:50
180-154242-12	SSHS-IRM5A2-MSA-B11	Solid	03/28/23 14:50	03/29/23 09:50
180-154242-13	SSHS-IRM5A2-MSA-B12	Solid	03/28/23 14:55	03/29/23 09:50
180-154242-14	SSHS-IRM5A2-MSA-B13	Solid	03/28/23 15:00	03/29/23 09:50
180-154242-15	SSHS-IRM5A2-MSA-B14	Solid	03/28/23 15:05	03/29/23 09:50
180-154242-16	SSHS-IRM5A2-MSA-B15	Solid	03/28/23 15:10	03/29/23 09:50
180-154242-17	SSHS-IRM5A2-MSA-B16	Solid	03/28/23 15:15	03/29/23 09:50
180-154242-18	SSHS-IRM5A2-MSA-B17	Solid	03/28/23 15:20	03/29/23 09:50
180-154242-19	SSHS-IRM5A2-MSA-B18	Solid	03/28/23 15:25	03/29/23 09:50
180-154242-20	SSHS-IRM5A2-MSA-B19	Solid	03/28/23 15:30	03/29/23 09:50
180-154242-21	SSHS-IRM5A2-DUP288	Solid	03/28/23 00:00	03/29/23 09:50
180-154242-22	SSHS-IRM5A2-MSA-B20	Solid	03/28/23 15:35	03/29/23 09:50

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0026 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 14:42	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	430993	03/31/23 17:33	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431029	04/01/23 15:27	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 10:00	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.50 g	50 mL	431235	04/04/23 09:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 19:33	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:17	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 15:05	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	430993	03/31/23 17:33	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431029	04/01/23 15:49	VVP	EET PIT
	Instrument ID: CHMSD7									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 10:56	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.09 g	50 mL	431235	04/04/23 09:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 19:38	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:20	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3
Date Collected: 03/28/23 14:10
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3
Date Collected: 03/28/23 14:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0462 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 15:50	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 13:45	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 11:15	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.50 g	50 mL	431235	04/04/23 09:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 19:44	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:24	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B4
Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B4
Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1136 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 16:13	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 15:29	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 11:34	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.49 g	50 mL	431235	04/04/23 09:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 19:49	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:25	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 16:36	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 14:29	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 11:53	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.67 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 08:46	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6
Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6
Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1305 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 17:44	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 14:51	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 12:12	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.02 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:11	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:27	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7
Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7
Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1198 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 18:06	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 15:13	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 12:30	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.99 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:17	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2304 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 18:29	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 15:35	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 12:49	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.80 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:22	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:30	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9
Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9
Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3346 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 18:51	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 15:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 13:08	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:37	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:31	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10
Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10
Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0468 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 19:14	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 16:13	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 13:27	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.84 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:42	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0035 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 19:36	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 16:34	VVP	EET PIT
	Instrument ID: CH732									

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 14:24	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.72 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:47	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:33	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12
Date Collected: 03/28/23 14:50
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12
Date Collected: 03/28/23 14:50
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1165 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 19:59	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 17:03	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 14:43	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.01 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:52	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:34	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13
Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13
Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1346 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 20:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 17:25	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 15:01	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.52 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 09:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:38	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14
Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14
Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3026 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 20:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 17:47	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14
Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 15:20	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.56 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:39	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15
Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15
Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431228	04/04/23 20:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 18:09	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 15:39	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.00 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:40	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16
Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16
Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1126 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431228	04/04/23 20:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 16:56	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 15:58	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.83 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:13	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17
Date Collected: 03/28/23 15:15
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17
Date Collected: 03/28/23 15:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3046 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431228	04/04/23 20:56	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 17:18	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17
Date Collected: 03/28/23 15:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 16:17	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.00 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:18	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18
Date Collected: 03/28/23 15:20
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430821	03/30/23 09:20	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18
Date Collected: 03/28/23 15:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.34625 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431228	04/04/23 21:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 19:15	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 16:36	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19
Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430879	03/30/23 17:08	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19
Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4625 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 14:19	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 19:37	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 16:55	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.07 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:38	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20
Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430879	03/30/23 17:08	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20
Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	431151	04/03/23 08:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431091	04/03/23 17:34	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431563	04/06/23 14:08	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20
Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	430877	03/30/23 16:41	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430892	03/31/23 05:04	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430893	03/31/23 05:06	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 17:14	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.74 g	50 mL	431434	04/05/23 11:59	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:43	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432411	04/17/23 10:10	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432682	04/18/23 15:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430879	03/30/23 17:08	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3346 g	5 mL	431151	04/03/23 08:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431091	04/03/23 17:57	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 18:01	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	430878	03/30/23 17:04	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430894	03/31/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430895	03/31/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431008	04/01/23 09:34	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.80 g	50 mL	431434	04/05/23 12:04	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432842	04/19/23 10:49	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:27	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B20 — **Lab Sample ID: 180-154242-22**
Date Collected: 03/28/23 15:35 — **Matrix: Solid**
Date Received: 03/29/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430879	03/30/23 17:08	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B20 — **Lab Sample ID: 180-154242-22**
Date Collected: 03/28/23 15:35 — **Matrix: Solid**
Date Received: 03/29/23 09:50 — **Percent Solids: 92.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0065 g	5 mL	431037	04/01/23 06:52	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431023	04/01/23 15:28	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431167	04/03/23 16:38	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 12:38	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	430878	03/30/23 17:04	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	430894	03/31/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	430895	03/31/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431008	04/01/23 08:41	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.82 g	50 mL	431119	04/03/23 11:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432570	04/17/23 13:40	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.94 g	50 mL	432624	04/18/23 10:56	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433149	04/21/23 14:16	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:24	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JBP = Jack Prothero
- JSM = Joseph Moore
- MTW = Michael Wesoloski
- PJJ = Patrick Journet

Batch Type: Analysis
- BAB = Brooke Batyi
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- RJG = Rob Good
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Chlorodibromomethane	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
o-Xylene	ND		5.3	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Tetrachloroethene	ND		5.3	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Vinyl chloride	ND		5.3	3.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*04/01/23 06:52*	*04/01/23 14:42*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*04/01/23 06:52*	*04/01/23 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*04/01/23 06:52*	*04/01/23 14:42*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*04/01/23 06:52*	*04/01/23 14:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Acenaphthylene	ND		72	16	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Acetophenone	ND		720	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Anthracene	ND		72	19	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Atrazine	ND		720	160	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Benzaldehyde	ND		720	44	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Carbazole	ND		72	17	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Chrysene	ND		72	40	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,4-Dinitrophenol	ND	*1	3500	2200	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1
Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Fluoranthene	ND		72	19	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Fluorene	ND		72	14	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Hexachloroethane	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Isophorone	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Naphthalene	ND		72	14	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Nitrobenzene	ND		720	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Phenanthrene	ND		72	19	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Phenol	ND		350	110	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
Pyrene	ND		72	17	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*03/31/23 17:33*	*04/01/23 15:27*	*1*
2-Fluorophenol (Surr)	*57*		*48 - 105*	*03/31/23 17:33*	*04/01/23 15:27*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*03/31/23 17:33*	*04/01/23 15:27*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*03/31/23 17:33*	*04/01/23 15:27*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*03/31/23 17:33*	*04/01/23 15:27*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*03/31/23 17:33*	*04/01/23 15:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1232	ND		17	4.3	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1242	ND		17	2.6	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1

Client Sample ID: SSHS-IRM5A2-MSA-B1
Lab Sample ID: 180-154242-1

Date Collected: 03/28/23 14:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1
PCB-1268	ND		17	2.4	ug/Kg	☼	03/30/23 16:41	04/04/23 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/30/23 16:41*	*04/04/23 10:00*	*1*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*03/30/23 16:41*	*04/04/23 10:00*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/30/23 16:41*	*04/04/23 10:00*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*03/30/23 16:41*	*04/04/23 10:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		21	5.3	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Antimony	**0.41**	**J**	1.1	0.32	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Arsenic	**10**		1.1	0.67	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Barium	**86**		21	3.8	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Beryllium	**0.43**		0.43	0.12	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Cadmium	**0.14**	**J**	0.54	0.079	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Calcium	**2600**		540	69	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Chromium	**13**		0.54	0.49	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Cobalt	**8.4**		5.4	0.75	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Copper	**18**		2.7	1.6	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Iron	**22000**	**B**	11	10	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Lead	**12**		1.1	0.93	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Magnesium	**3200**		540	59	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Manganese	**450**		1.6	0.30	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Nickel	**20**		4.3	0.54	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Potassium	**870**	**B**	540	91	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Selenium	ND		1.1	0.49	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Silver	ND		0.54	0.11	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Sodium	**59**	**J**	540	55	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Thallium	**0.73**	**J**	2.1	0.30	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Vanadium	**16**		5.4	0.85	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1
Zinc	**54**		2.1	1.6	mg/Kg	☼	04/04/23 09:11	04/06/23 19:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.023	mg/Kg	☼	04/17/23 10:10	04/18/23 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.6**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**93.4**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2

Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
2-Butanone (MEK)	ND		5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Chloroethane	ND		5.2	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
trans-1,3-Dichloropropene	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1
Xylenes, Total	ND		10	7.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*04/01/23 06:52*	*04/01/23 15:05*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*04/01/23 06:52*	*04/01/23 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*04/01/23 06:52*	*04/01/23 15:05*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/01/23 06:52*	*04/01/23 15:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Acenaphthylene	ND		70	15	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Acetophenone	ND		700	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Anthracene	ND		70	18	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Atrazine	ND		700	150	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Benzaldehyde	ND		700	43	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Caprolactam	ND		1800	230	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Carbazole	ND		70	16	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Chrysene	ND		70	39	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Dibenzofuran	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,4-Dinitrophenol	ND	*1	3500	2200	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		700	110	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Fluoranthene	ND		70	18	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Fluorene	ND		70	14	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Hexachloroethane	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Isophorone	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2-Methylphenol	ND		350	100	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Naphthalene	ND		70	14	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Nitrobenzene	ND		700	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Phenanthrene	ND		70	19	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Phenol	ND		350	110	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
Pyrene	ND		70	17	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	03/31/23 17:33	04/01/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*03/31/23 17:33*	*04/01/23 15:49*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*03/31/23 17:33*	*04/01/23 15:49*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*03/31/23 17:33*	*04/01/23 15:49*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*03/31/23 17:33*	*04/01/23 15:49*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*03/31/23 17:33*	*04/01/23 15:49*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*03/31/23 17:33*	*04/01/23 15:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 10:56	1

Client Sample ID: SSHS-IRM5A2-MSA-B2
Lab Sample ID: 180-154242-2
Date Collected: 03/28/23 14:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*03/30/23 16:41*	*04/04/23 10:56*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*03/30/23 16:41*	*04/04/23 10:56*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/30/23 16:41*	*04/04/23 10:56*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*03/30/23 16:41*	*04/04/23 10:56*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		9.7	2.4	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Antimony	**0.37**	**J**	0.48	0.15	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Arsenic	**3.1**		0.48	0.30	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Barium	**40**		9.7	1.7	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Beryllium	**0.16**	**J**	0.19	0.053	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Cadmium	**0.080**	**J**	0.24	0.035	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Calcium	**1200**		240	31	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Chromium	**5.9**		0.24	0.22	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Cobalt	**4.5**		2.4	0.34	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Copper	**21**		1.2	0.73	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Iron	**13000**	**B**	4.8	4.7	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Lead	**3.5**		0.48	0.42	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Magnesium	**1600**		240	27	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Manganese	**360**		0.73	0.13	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Nickel	**9.5**		1.9	0.24	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Potassium	**270**	**B**	240	41	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Selenium	ND		0.48	0.22	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Silver	ND		0.24	0.050	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Sodium	ND		240	25	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Thallium	**0.38**	**J**	0.97	0.14	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Vanadium	**8.6**		2.4	0.38	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1
Zinc	**27**		0.97	0.70	mg/Kg	☼	04/04/23 09:11	04/06/23 19:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.1**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**94.9**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3
Date Collected: 03/28/23 14:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*3	21	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Benzene	ND	*3	5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Bromoform	ND	*3	5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Bromomethane	ND	*3	5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
2-Butanone (MEK)	ND	*3	5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Carbon disulfide	ND	*3	5.2	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3
Date Collected: 03/28/23 14:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Chlorobenzene	ND	*3	5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Chlorobromomethane	ND	*3	5.2	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Chlorodibromomethane	ND	*3	5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Chloroethane	ND	*3	5.2	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Chloroform	ND	*3	5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Chloromethane	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
cis-1,2-Dichloroethene	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
cis-1,3-Dichloropropene	ND	*3	5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Cyclohexane	ND	*3	5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2-Dibromo-3-Chloropropane	ND	*3	5.2	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2-Dibromoethane	ND	*3	5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2-Dichlorobenzene	ND	*3	5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,3-Dichlorobenzene	ND	*3	5.2	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,4-Dichlorobenzene	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Dichlorobromomethane	ND	*3	5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Dichlorodifluoromethane	ND	*3	5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,1-Dichloroethane	ND	*3	5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2-Dichloroethane	ND	*3	5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,1-Dichloroethene	ND	*3	5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2-Dichloroethene, Total	ND	*3	10	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2-Dichloropropane	ND	*3	5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,4-Dioxane	ND	*3	1000	37	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Ethylbenzene	ND	*3	5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
2-Hexanone	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Isopropylbenzene	ND	*3	5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Methyl acetate	ND	*3	26	7.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Methylcyclohexane	ND	*3	5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Methylene Chloride	ND	*3	5.2	4.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
4-Methyl-2-pentanone (MIBK)	ND	*3	5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Methyl tert-butyl ether	ND	*3	5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
m-Xylene & p-Xylene	ND	*3	5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
o-Xylene	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Styrene	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,1,2,2-Tetrachloroethane	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Tetrachloroethene	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Toluene	ND	*3	5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
trans-1,2-Dichloroethene	ND	*3	5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
trans-1,3-Dichloropropene	ND	*3	5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2,3-Trichlorobenzene	ND	*3	5.2	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,2,4-Trichlorobenzene	ND	*3	5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,1,1-Trichloroethane	ND	*3	5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,1,2-Trichloroethane	ND	*3	5.2	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Trichloroethene	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Trichlorofluoromethane	ND	*3	5.2	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Vinyl chloride	ND	*3	5.2	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1
Xylenes, Total	ND	*3	10	7.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:50	1

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3

Date Collected: 03/28/23 14:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*	**3*	*60 - 124*	*04/01/23 06:52*	*04/01/23 15:50*	*1*
Dibromofluoromethane (Surr)	*114*	**3*	*69 - 126*	*04/01/23 06:52*	*04/01/23 15:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*	**3*	*73 - 135*	*04/01/23 06:52*	*04/01/23 15:50*	*1*
Toluene-d8 (Surr)	*106*	**3*	*67 - 134*	*04/01/23 06:52*	*04/01/23 15:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Acetophenone	ND		690	120	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Anthracene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Atrazine	ND		690	150	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Carbazole	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Chrysene	ND		69	38	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Fluorene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3

Date Collected: 03/28/23 14:10
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Naphthalene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
Pyrene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*04/03/23 16:38*	*04/04/23 13:45*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*04/03/23 16:38*	*04/04/23 13:45*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*04/03/23 16:38*	*04/04/23 13:45*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/03/23 16:38*	*04/04/23 13:45*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*04/03/23 16:38*	*04/04/23 13:45*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*34 - 108*	*04/03/23 16:38*	*04/04/23 13:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/30/23 16:41*	*04/04/23 11:15*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/30/23 16:41*	*04/04/23 11:15*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*03/30/23 16:41*	*04/04/23 11:15*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B3
Lab Sample ID: 180-154242-3
Date Collected: 03/28/23 14:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.8

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*03/30/23 16:41*	*04/04/23 11:15*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7500		21	5.3	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Antimony	0.59	J	1.1	0.32	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Arsenic	7.1		1.1	0.66	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Barium	59		21	3.8	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Beryllium	0.32	J	0.42	0.12	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Cadmium	0.096	J	0.53	0.077	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Calcium	1600		530	68	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Chromium	10		0.53	0.48	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Cobalt	5.9		5.3	0.74	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Copper	12		2.6	1.6	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Iron	17000	B	11	10	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Lead	7.5		1.1	0.92	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Magnesium	2400		530	58	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Manganese	280		1.6	0.29	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Nickel	15		4.2	0.53	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Potassium	580	B	530	90	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Selenium	ND		1.1	0.49	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Silver	ND		0.53	0.11	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Sodium	ND		530	54	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Thallium	0.50	J	2.1	0.30	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Vanadium	11		5.3	0.83	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1
Zinc	46		2.1	1.5	mg/Kg	☼	04/04/23 09:11	04/06/23 19:44	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.2		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	94.8		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B4
Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B4
Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/01/23 06:52*	*04/01/23 16:13*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*04/01/23 06:52*	*04/01/23 16:13*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B4
Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*04/01/23 06:52*	*04/01/23 16:13*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/01/23 06:52*	*04/01/23 16:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Acetophenone	ND		700	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Anthracene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Atrazine	ND		700	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Carbazole	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Chrysene	ND		70	39	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
3,3'-Dichlorobenzidine	ND		340	330	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Fluorene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B4
Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Naphthalene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Phenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
Pyrene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*04/03/23 16:38*	*04/05/23 15:29*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*04/03/23 16:38*	*04/05/23 15:29*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*	*04/03/23 16:38*	*04/05/23 15:29*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*04/03/23 16:38*	*04/05/23 15:29*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*04/03/23 16:38*	*04/05/23 15:29*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*34 - 108*	*04/03/23 16:38*	*04/05/23 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*03/30/23 16:41*	*04/04/23 11:34*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/30/23 16:41*	*04/04/23 11:34*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*03/30/23 16:41*	*04/04/23 11:34*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*03/30/23 16:41*	*04/04/23 11:34*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B4

Lab Sample ID: 180-154242-4
Date Collected: 03/28/23 14:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9100		21	5.3	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Antimony	0.73	J	1.1	0.32	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Arsenic	10		1.1	0.67	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Barium	81		21	3.8	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Beryllium	0.40	J	0.43	0.12	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Cadmium	0.15	J	0.53	0.078	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Calcium	2100		530	69	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Chromium	12		0.53	0.49	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Cobalt	8.6		5.3	0.75	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Copper	17		2.7	1.6	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Iron	21000	B	11	10	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Lead	11		1.1	0.93	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Magnesium	3000		530	59	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Manganese	630		1.6	0.30	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Nickel	20		4.3	0.54	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Potassium	720	B	530	91	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Selenium	ND		1.1	0.49	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Silver	ND		0.53	0.11	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Sodium	60	J	530	55	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Thallium	0.68	J	2.1	0.30	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Vanadium	14		5.3	0.84	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1
Zinc	55		2.1	1.5	mg/Kg	☼	04/04/23 09:11	04/06/23 19:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.3		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	95.7		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B5

Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/01/23 06:52	04/01/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/01/23 06:52*	*04/01/23 16:36*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*04/01/23 06:52*	*04/01/23 16:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*	*04/01/23 06:52*	*04/01/23 16:36*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/01/23 06:52*	*04/01/23 16:36*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5
Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Acetophenone	ND		690	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Anthracene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Atrazine	ND		690	150	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Caprolactam	ND		1800	220	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Carbazole	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Chrysene	ND		69	38	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Fluorene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5

Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Naphthalene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
3-Nitroaniline	ND		1800	87	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
Pyrene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/03/23 16:38*	*04/04/23 14:29*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*04/03/23 16:38*	*04/04/23 14:29*	*1*
Nitrobenzene-d5 (Surr)	*98*		*46 - 105*	*04/03/23 16:38*	*04/04/23 14:29*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*04/03/23 16:38*	*04/04/23 14:29*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*04/03/23 16:38*	*04/04/23 14:29*	*1*
2,4,6-Tribromophenol (Surr)	*36*		*34 - 108*	*04/03/23 16:38*	*04/04/23 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/30/23 16:41*	*04/04/23 11:53*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/30/23 16:41*	*04/04/23 11:53*	*1*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*	*03/30/23 16:41*	*04/04/23 11:53*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*03/30/23 16:41*	*04/04/23 11:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**	**F2**	16	3.9	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Antimony	ND	F2 F1	0.78	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1

Client Sample ID: SSHS-IRM5A2-MSA-B5
Lab Sample ID: 180-154242-5

Date Collected: 03/28/23 14:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.8		0.78	0.49	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Barium	64	F2	16	2.8	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Beryllium	0.32	F2 F1	0.31	0.085	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Cadmium	0.49	F2 F1	0.39	0.057	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Calcium	3300	F2 F1	390	50	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Chromium	11	F2 F1	0.39	0.35	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Cobalt	8.0	F2	3.9	0.55	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Copper	17	F1	1.9	1.2	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Iron	19000	B	7.8	7.6	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Lead	9.5	F2 F1	0.78	0.68	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Magnesium	2800	F2 F1	390	43	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Manganese	350	F2	1.2	0.22	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Nickel	18	F2	3.1	0.39	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Potassium	390		390	66	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Selenium	ND	F2 F1	0.78	0.36	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Silver	ND	F2 F1	0.39	0.081	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Sodium	ND	F2	390	40	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Thallium	0.62	J F2	1.6	0.22	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Vanadium	12	F2	3.9	0.62	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1
Zinc	45	B F1	1.6	1.1	mg/Kg	☼	04/05/23 11:59	04/19/23 08:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.2		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	95.8		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6

Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6

Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/01/23 06:52	04/01/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/01/23 06:52*	*04/01/23 17:44*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/01/23 06:52*	*04/01/23 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*04/01/23 06:52*	*04/01/23 17:44*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/01/23 06:52*	*04/01/23 17:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6
Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Acetophenone	ND		720	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Anthracene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Atrazine	ND		720	160	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Carbazole	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Chrysene	ND		72	40	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Fluorene	ND		72	14	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Isophorone	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Methylphenol, 3 & 4	ND		350	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6
Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		72	14	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Phenol	ND		350	110	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
Pyrene	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/03/23 16:38*	*04/04/23 14:51*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*04/03/23 16:38*	*04/04/23 14:51*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*04/03/23 16:38*	*04/04/23 14:51*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*04/03/23 16:38*	*04/04/23 14:51*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/03/23 16:38*	*04/04/23 14:51*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*34 - 108*	*04/03/23 16:38*	*04/04/23 14:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1232	ND		18	4.4	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1254	ND		18	5.4	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1260	ND		18	5.1	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1262	ND		18	6.3	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/30/23 16:41	04/04/23 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*03/30/23 16:41*	*04/04/23 12:12*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*03/30/23 16:41*	*04/04/23 12:12*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*03/30/23 16:41*	*04/04/23 12:12*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*03/30/23 16:41*	*04/04/23 12:12*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		11	2.6	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Antimony	ND		0.53	0.16	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Arsenic	**9.1**		0.53	0.33	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1

Client Sample ID: SSHS-IRM5A2-MSA-B6
Lab Sample ID: 180-154242-6

Date Collected: 03/28/23 14:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	62		11	1.9	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Beryllium	0.37		0.21	0.058	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Cadmium	0.52		0.26	0.039	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Calcium	2300		260	34	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Chromium	12		0.26	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Cobalt	9.2		2.6	0.37	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Copper	18		1.3	0.80	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Iron	20000	B	5.3	5.2	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Lead	11		0.53	0.46	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Magnesium	2800		260	29	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Manganese	320		0.79	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Nickel	20		2.1	0.27	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Potassium	510		260	45	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Selenium	ND		0.53	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Silver	ND		0.26	0.055	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Sodium	37	J	260	27	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Thallium	0.51	J	1.1	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Vanadium	13		2.6	0.42	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1
Zinc	49	B	1.1	0.77	mg/Kg	☼	04/05/23 11:59	04/19/23 09:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	04/17/23 10:10	04/18/23 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.5		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	92.5		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7

Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	4.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Benzene	ND		5.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
2-Butanone (MEK)	ND		5.9	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Chloroform	ND		5.9	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7
Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,4-Dioxane	ND		1200	42	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
2-Hexanone	ND		5.9	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Styrene	ND		5.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Toluene	ND		5.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2,3-Trichlorobenzene	ND		5.9	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*04/01/23 06:52*	*04/01/23 18:06*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*	*04/01/23 06:52*	*04/01/23 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*04/01/23 06:52*	*04/01/23 18:06*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*04/01/23 06:52*	*04/01/23 18:06*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Acenaphthylene	ND		78	17	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7
Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 82.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		780	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Anthracene	ND		78	20	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Atrazine	ND		780	170	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Benzaldehyde	ND		780	48	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Caprolactam	ND		2000	250	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Carbazole	ND		78	18	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Chrysene	ND		78	43	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Dibenzofuran	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Fluoranthene	ND		78	21	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Fluorene	ND		78	15	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Hexachloroethane	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Isophorone	ND		390	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2-Methylphenol	ND		390	110	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Naphthalene	ND		78	15	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7
Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 82.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2000	180	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Nitrobenzene	ND		780	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Phenanthrene	ND		78	21	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Phenol	ND		390	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
Pyrene	ND		78	18	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/03/23 16:38*	*04/04/23 15:13*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*04/03/23 16:38*	*04/04/23 15:13*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*04/03/23 16:38*	*04/04/23 15:13*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/03/23 16:38*	*04/04/23 15:13*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/03/23 16:38*	*04/04/23 15:13*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*34 - 108*	*04/03/23 16:38*	*04/04/23 15:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1221	ND		20	7.1	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1232	ND		20	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1242	ND		20	2.9	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1248	ND		20	4.8	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1254	ND		20	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1260	ND		20	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1262	ND		20	7.1	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1
PCB-1268	ND		20	2.7	ug/Kg	☼	03/30/23 16:41	04/04/23 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/30/23 16:41*	*04/04/23 12:30*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*03/30/23 16:41*	*04/04/23 12:30*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*03/30/23 16:41*	*04/04/23 12:30*	*1*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*	*03/30/23 16:41*	*04/04/23 12:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		12	3.0	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Antimony	ND		0.61	0.18	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Arsenic	**11**		0.61	0.38	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Barium	**79**		12	2.2	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1

Client Sample ID: SSHS-IRM5A2-MSA-B7
Lab Sample ID: 180-154242-7
Date Collected: 03/28/23 14:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 82.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.39**		0.24	0.067	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Cadmium	**0.54**		0.31	0.045	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Calcium	**4100**		310	39	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Chromium	**11**		0.31	0.28	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Cobalt	**10**		3.1	0.43	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Copper	**20**		1.5	0.92	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Iron	**21000**	**B**	6.1	5.9	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Lead	**13**		0.61	0.53	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Magnesium	**2900**		310	34	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Manganese	**480**		0.92	0.17	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Nickel	**21**		2.4	0.31	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Potassium	**630**		310	52	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Selenium	ND		0.61	0.28	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Silver	ND		0.31	0.063	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Sodium	**39**	**J**	310	31	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Thallium	**0.75**	**J**	1.2	0.17	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Vanadium	**14**		3.1	0.48	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1
Zinc	**48**	**B**	1.2	0.89	mg/Kg	☼	04/05/23 11:59	04/19/23 09:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.024	mg/Kg	☼	04/17/23 10:10	04/18/23 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**17.3**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**82.7**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*	*04/01/23 06:52*	*04/01/23 18:29*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*04/01/23 06:52*	*04/01/23 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*04/01/23 06:52*	*04/01/23 18:29*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*04/01/23 06:52*	*04/01/23 18:29*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Acetophenone	ND		700	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Atrazine	ND		700	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Carbazole	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Chrysene	ND		70	39	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Fluorene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Naphthalene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8

Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Phenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
Pyrene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/03/23 16:38*	*04/04/23 15:35*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*04/03/23 16:38*	*04/04/23 15:35*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 105*	*04/03/23 16:38*	*04/04/23 15:35*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*04/03/23 16:38*	*04/04/23 15:35*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*04/03/23 16:38*	*04/04/23 15:35*	*1*
2,4,6-Tribromophenol (Surr)	*37*		*34 - 108*	*04/03/23 16:38*	*04/04/23 15:35*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/30/23 16:41	04/04/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*03/30/23 16:41*	*04/04/23 12:49*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*03/30/23 16:41*	*04/04/23 12:49*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/30/23 16:41*	*04/04/23 12:49*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/30/23 16:41*	*04/04/23 12:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4900**		13	3.3	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Antimony	ND		0.67	0.20	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Arsenic	**3.9**		0.67	0.42	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Barium	**43**		13	2.4	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Beryllium	**0.16**	**J**	0.27	0.073	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1

Client Sample ID: SSHS-IRM5A2-MSA-B8
Lab Sample ID: 180-154242-8
Date Collected: 03/28/23 14:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.30	J	0.33	0.049	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Calcium	800		330	43	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Chromium	5.0		0.33	0.30	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Cobalt	3.5		3.3	0.47	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Copper	4.6		1.7	1.0	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Iron	12000	B	6.7	6.5	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Lead	5.7		0.67	0.58	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Magnesium	1300		330	37	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Manganese	210		1.0	0.19	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Nickel	8.5		2.7	0.34	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Potassium	180	J	330	57	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Selenium	ND		0.67	0.31	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Silver	ND		0.33	0.069	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Sodium	ND		330	34	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Thallium	0.37	J	1.3	0.19	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Vanadium	6.8		3.3	0.53	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1
Zinc	27	B	1.3	0.97	mg/Kg	☼	04/05/23 11:59	04/19/23 09:22	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.5		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	93.5		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9
Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9
Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	04/01/23 06:52	04/01/23 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/01/23 06:52*	*04/01/23 18:51*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/01/23 06:52*	*04/01/23 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*04/01/23 06:52*	*04/01/23 18:51*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/01/23 06:52*	*04/01/23 18:51*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Acetophenone	ND		700	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Anthracene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9
Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		700	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Benzo[a]anthracene	**61**	**J**	70	32	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Benzo[a]pyrene	**70**		70	30	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Benzo[g,h,i]perylene	**45**	**J**	70	15	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Carbazole	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Chrysene	**73**		70	39	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Fluoranthene	**110**		70	18	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Fluorene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Isophorone	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Naphthalene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9
Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Phenanthrene	**42**	**J**	70	19	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Phenol	ND		350	110	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
Pyrene	**100**		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*04/03/23 16:38*	*04/05/23 15:51*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*04/03/23 16:38*	*04/05/23 15:51*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*04/03/23 16:38*	*04/05/23 15:51*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*04/03/23 16:38*	*04/05/23 15:51*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/03/23 16:38*	*04/05/23 15:51*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*04/03/23 16:38*	*04/05/23 15:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1248	**52**		18	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1254	**23**		18	5.3	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/30/23 16:41	04/04/23 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*03/30/23 16:41*	*04/04/23 13:08*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/30/23 16:41*	*04/04/23 13:08*	*1*
Tetrachloro-m-xylene (Surr)	*125*		*55 - 135*	*03/30/23 16:41*	*04/04/23 13:08*	*1*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*	*03/30/23 16:41*	*04/04/23 13:08*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		18	4.4	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Antimony	ND		0.88	0.27	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Arsenic	**9.3**		0.88	0.55	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Barium	**75**		18	3.1	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Beryllium	**0.41**		0.35	0.096	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Cadmium	**0.57**		0.44	0.065	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1

Client Sample ID: SSHS-IRM5A2-MSA-B9
Lab Sample ID: 180-154242-9

Date Collected: 03/28/23 14:40
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2900		440	57	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Chromium	13		0.44	0.40	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Cobalt	9.6		4.4	0.62	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Copper	17		2.2	1.3	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Iron	23000	B	8.8	8.6	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Lead	13		0.88	0.77	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Magnesium	3100		440	48	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Manganese	420		1.3	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Nickel	21		3.5	0.44	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Potassium	550		440	75	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Selenium	ND		0.88	0.41	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Silver	ND		0.44	0.092	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Sodium	49	J	440	45	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Thallium	0.72	J	1.8	0.25	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Vanadium	15		4.4	0.70	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1
Zinc	54	B	1.8	1.3	mg/Kg	☼	04/05/23 11:59	04/19/23 09:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.4		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	94.6		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10

Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10

Date Collected: 03/28/23 14:45
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 93.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*60 - 124*	*04/01/23 06:52*	*04/01/23 19:14*	*1*
Dibromofluoromethane (Surr)	*123*		*69 - 126*	*04/01/23 06:52*	*04/01/23 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*144*	*S1+*	*73 - 135*	*04/01/23 06:52*	*04/01/23 19:14*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*04/01/23 06:52*	*04/01/23 19:14*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Acetophenone	ND		710	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Anthracene	ND		71	18	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Atrazine	ND		710	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10
Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		710	44	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Carbazole	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Chrysene	ND		71	39	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Fluorene	ND		71	14	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Isophorone	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Naphthalene	ND		71	14	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B10
Lab Sample ID: 180-154242-10

Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		710	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Phenol	ND		350	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
Pyrene	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*44 - 105*	*04/03/23 16:38*	*04/05/23 16:13*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*04/03/23 16:38*	*04/05/23 16:13*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*04/03/23 16:38*	*04/05/23 16:13*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*04/03/23 16:38*	*04/05/23 16:13*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*04/03/23 16:38*	*04/05/23 16:13*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/03/23 16:38*	*04/05/23 16:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/30/23 16:41*	*04/04/23 13:27*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*03/30/23 16:41*	*04/04/23 13:27*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*03/30/23 16:41*	*04/04/23 13:27*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/30/23 16:41*	*04/04/23 13:27*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		13	3.2	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Antimony	ND		0.63	0.19	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Arsenic	**8.5**		0.63	0.40	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Barium	**63**		13	2.3	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Beryllium	**0.35**		0.25	0.069	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Cadmium	**0.47**		0.32	0.047	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Calcium	**2200**		320	41	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1

Client Sample ID: SSHS-IRM5A2-MSA-B10

Lab Sample ID: 180-154242-10

Date Collected: 03/28/23 14:45
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11		0.32	0.29	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Cobalt	8.7		3.2	0.45	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Copper	19		1.6	0.96	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Iron	19000	B	6.3	6.2	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Lead	12		0.63	0.55	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Magnesium	2600		320	35	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Manganese	360		0.95	0.18	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Nickel	19		2.5	0.32	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Potassium	530		320	54	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Selenium	ND		0.63	0.29	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Silver	ND		0.32	0.066	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Sodium	38	J	320	32	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Thallium	0.69	J	1.3	0.18	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Vanadium	12		3.2	0.50	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1
Zinc	47	B	1.3	0.92	mg/Kg	☼	04/05/23 11:59	04/19/23 09:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.1		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	93.9		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-DUP287

Lab Sample ID: 180-154242-11

Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*60 - 124*	*04/01/23 06:52*	*04/01/23 19:36*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*04/01/23 06:52*	*04/01/23 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*142*	*S1+*	*73 - 135*	*04/01/23 06:52*	*04/01/23 19:36*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*04/01/23 06:52*	*04/01/23 19:36*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Acetophenone	ND		690	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Anthracene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Atrazine	ND		690	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Benzaldehyde	ND		690	42	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Carbazole	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Chrysene	ND		69	38	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Fluorene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Naphthalene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11

Date Collected: 03/28/23 00:00
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
Pyrene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/03/23 16:38*	*04/05/23 16:34*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/03/23 16:38*	*04/05/23 16:34*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*04/03/23 16:38*	*04/05/23 16:34*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/03/23 16:38*	*04/05/23 16:34*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*04/03/23 16:38*	*04/05/23 16:34*	*1*
2,4,6-Tribromophenol (Surr)	*34*		*34 - 108*	*04/03/23 16:38*	*04/05/23 16:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*126*		*63 - 138*	*03/30/23 16:41*	*04/04/23 14:24*	*1*
DCB Decachlorobiphenyl (Surr)	*128*		*63 - 138*	*03/30/23 16:41*	*04/04/23 14:24*	*1*
Tetrachloro-m-xylene (Surr)	*129*		*55 - 135*	*03/30/23 16:41*	*04/04/23 14:24*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*03/30/23 16:41*	*04/04/23 14:24*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		15	3.7	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Antimony	ND		0.73	0.22	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Arsenic	**9.4**		0.73	0.46	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Barium	**75**		15	2.6	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Beryllium	**0.39**		0.29	0.080	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Cadmium	**0.58**		0.37	0.054	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Calcium	**3900**		370	47	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Chromium	**12**		0.37	0.33	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1

Client Sample ID: SSHS-IRM5A2-DUP287
Lab Sample ID: 180-154242-11
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	9.7		3.7	0.52	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Copper	18		1.8	1.1	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Iron	22000	B	7.3	7.1	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Lead	12		0.73	0.64	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Magnesium	3000		370	40	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Manganese	430		1.1	0.20	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Nickel	21		2.9	0.37	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Potassium	460		370	62	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Selenium	ND		0.73	0.34	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Silver	ND		0.37	0.076	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Sodium	45	J	370	37	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Thallium	0.63	J	1.5	0.21	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Vanadium	15		3.7	0.58	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1
Zinc	51	B	1.5	1.1	mg/Kg	☼	04/05/23 11:59	04/19/23 09:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.1		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	94.9		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12
Date Collected: 03/28/23 14:50
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12
Date Collected: 03/28/23 14:50
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/01/23 06:52	04/01/23 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*	*04/01/23 06:52*	*04/01/23 19:59*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*04/01/23 06:52*	*04/01/23 19:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*140*	*S1+*	*73 - 135*	*04/01/23 06:52*	*04/01/23 19:59*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*04/01/23 06:52*	*04/01/23 19:59*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Acetophenone	ND		720	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Anthracene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Atrazine	ND		720	160	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Benzaldehyde	ND		720	45	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12
Date Collected: 03/28/23 14:50
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Benzo[g,h,i]perylene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Carbazole	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Chrysene	ND		72	40	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Dibenzofuran	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
3,3'-Dichlorobenzidine	ND		360	330	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Fluorene	ND		72	14	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Isophorone	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2-Methylphenol	ND		360	100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Naphthalene	ND		72	14	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12

Date Collected: 03/28/23 14:50
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 92.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Phenol	ND		360	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
Pyrene	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,4,5-Trichlorophenol	ND		360	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/03/23 16:38*	*04/04/23 17:03*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*04/03/23 16:38*	*04/04/23 17:03*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*04/03/23 16:38*	*04/04/23 17:03*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*04/03/23 16:38*	*04/04/23 17:03*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*04/03/23 16:38*	*04/04/23 17:03*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*04/03/23 16:38*	*04/04/23 17:03*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/30/23 16:41	04/04/23 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*03/30/23 16:41*	*04/04/23 14:43*	*1*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*03/30/23 16:41*	*04/04/23 14:43*	*1*
Tetrachloro-m-xylene (Surr)	*122*		*55 - 135*	*03/30/23 16:41*	*04/04/23 14:43*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*03/30/23 16:41*	*04/04/23 14:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		11	2.7	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Antimony	ND		0.54	0.16	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Arsenic	**8.5**		0.54	0.34	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Barium	**68**		11	1.9	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Beryllium	**0.37**		0.21	0.058	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Cadmium	**0.59**		0.27	0.039	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Calcium	**2100**		270	35	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Chromium	**11**		0.27	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Cobalt	**9.2**		2.7	0.38	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1

Client Sample ID: SSHS-IRM5A2-MSA-B11
Lab Sample ID: 180-154242-12
Date Collected: 03/28/23 14:50
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	16		1.3	0.81	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Iron	21000	B	5.4	5.2	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Lead	15		0.54	0.47	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Magnesium	2600		270	29	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Manganese	370		0.80	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Nickel	19		2.1	0.27	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Potassium	450		270	46	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Selenium	ND		0.54	0.25	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Silver	ND		0.27	0.056	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Sodium	39	J	270	27	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Thallium	0.39	J	1.1	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Vanadium	13		2.7	0.42	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1
Zinc	49	B	1.1	0.78	mg/Kg	☼	04/05/23 11:59	04/19/23 09:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.7		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	92.3		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13
Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13
Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*04/01/23 06:52*	*04/01/23 20:22*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/01/23 06:52*	*04/01/23 20:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*	*S1+*	*73 - 135*	*04/01/23 06:52*	*04/01/23 20:22*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/01/23 06:52*	*04/01/23 20:22*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Acetophenone	ND		700	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Anthracene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Atrazine	ND		700	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13
Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Carbazole	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Chrysene	ND		70	38	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Fluorene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Indeno[1,2,3-cd]pyrene	ND		70	34	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Naphthalene	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13

Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
Pyrene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*04/03/23 16:38*	*04/04/23 17:25*	*1*
2-Fluorophenol (Surr)	*89*		*48 - 105*	*04/03/23 16:38*	*04/04/23 17:25*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 105*	*04/03/23 16:38*	*04/04/23 17:25*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*04/03/23 16:38*	*04/04/23 17:25*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/03/23 16:38*	*04/04/23 17:25*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*04/03/23 16:38*	*04/04/23 17:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:01*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:01*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:01*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		20	5.0	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Antimony	ND		1.0	0.31	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Arsenic	**11**		1.0	0.63	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Barium	**74**		20	3.6	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Beryllium	**0.43**		0.40	0.11	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Cadmium	**0.63**		0.51	0.074	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Calcium	**3200**		510	65	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Chromium	**14**		0.51	0.46	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Cobalt	**11**		5.1	0.71	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Copper	**17**		2.5	1.5	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B12
Lab Sample ID: 180-154242-13

Date Collected: 03/28/23 14:55
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 95.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	25000	B	10	9.8	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Lead	13		1.0	0.88	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Magnesium	3400		510	56	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Manganese	450		1.5	0.28	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Nickel	22		4.0	0.51	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Potassium	820		510	86	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Selenium	ND		1.0	0.47	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Silver	ND		0.51	0.11	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Sodium	62	J	510	52	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Thallium	0.74	J	2.0	0.29	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Vanadium	16		5.1	0.80	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1
Zinc	58	B	2.0	1.5	mg/Kg	☼	04/05/23 11:59	04/19/23 09:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.9		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	95.1		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14

Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14
Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/01/23 06:52	04/01/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*60 - 124*	*04/01/23 06:52*	*04/01/23 20:45*	*1*
Dibromofluoromethane (Surr)	*119*		*69 - 126*	*04/01/23 06:52*	*04/01/23 20:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*04/01/23 06:52*	*04/01/23 20:45*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*04/01/23 06:52*	*04/01/23 20:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Acetophenone	ND		680	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Anthracene	ND		68	18	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Atrazine	ND		680	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14
Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Carbazole	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Chrysene	ND		68	38	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Fluorene	ND		68	13	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2-Methylphenol	ND		340	97	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Naphthalene	ND		68	13	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14

Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
Pyrene	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/03/23 16:38*	*04/04/23 17:47*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*04/03/23 16:38*	*04/04/23 17:47*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*04/03/23 16:38*	*04/04/23 17:47*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/03/23 16:38*	*04/04/23 17:47*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/03/23 16:38*	*04/04/23 17:47*	*1*
2,4,6-Tribromophenol (Surr)	*34*		*34 - 108*	*04/03/23 16:38*	*04/04/23 17:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:20*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8100**		19	4.6	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Antimony	ND		0.93	0.28	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Arsenic	**4.6**		0.93	0.58	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Barium	**42**		19	3.3	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Beryllium	**0.25**	**J**	0.37	0.10	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Cadmium	**0.45**	**J**	0.46	0.068	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Calcium	**1400**		460	60	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Chromium	**9.5**		0.46	0.42	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Cobalt	**6.7**		4.6	0.65	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Copper	**9.7**		2.3	1.4	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Iron	**19000**	**B**	9.3	9.0	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B13
Lab Sample ID: 180-154242-14
Date Collected: 03/28/23 15:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.7**		0.93	0.81	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Magnesium	**2600**		460	51	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Manganese	**300**		1.4	0.26	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Nickel	**16**		3.7	0.47	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Potassium	**300**	**J**	460	79	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Selenium	ND		0.93	0.43	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Silver	ND		0.46	0.096	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Sodium	ND		460	47	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Thallium	**0.60**	**J**	1.9	0.26	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Vanadium	**11**		4.6	0.73	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1
Zinc	**43**	**B**	1.9	1.3	mg/Kg	☼	04/05/23 11:59	04/19/23 10:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.7**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**96.3**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15
Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	21	4.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Bromoform	ND	*3	5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Chlorobenzene	ND	*3	5.2	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Chlorodibromomethane	ND	*3	5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2-Dibromo-3-Chloropropane	ND	*3	5.2	3.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2-Dibromoethane	ND	*3	5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2-Dichlorobenzene	ND	*3	5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,3-Dichlorobenzene	ND	*3	5.2	3.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,4-Dichlorobenzene	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15

Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,4-Dioxane	ND	*+	1000	37	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Ethylbenzene	ND	*3	5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
2-Hexanone	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Isopropylbenzene	ND	*3	5.2	2.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
4-Methyl-2-pentanone (MIBK)	ND	*3	5.2	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
m-Xylene & p-Xylene	ND	*3	5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
o-Xylene	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Styrene	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,1,2,2-Tetrachloroethane	ND	*3	5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Tetrachloroethene	ND	*3	5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Toluene	ND	*3	5.2	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
trans-1,3-Dichloropropene	ND	*3	5.2	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2,3-Trichlorobenzene	ND	*3	5.2	2.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,2,4-Trichlorobenzene	ND	*3	5.2	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,1,2-Trichloroethane	ND	*3	5.2	1.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1
Xylenes, Total	ND	*3	10	7.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*	*3*	*60 - 124*	*04/01/23 06:52*	*04/04/23 20:10*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/01/23 06:52*	*04/04/23 20:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*04/01/23 06:52*	*04/04/23 20:10*	*1*
Toluene-d8 (Surr)	*96*	*3*	*67 - 134*	*04/01/23 06:52*	*04/04/23 20:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Acetophenone	ND		680	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Anthracene	ND		68	17	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Atrazine	ND		680	150	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15
Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Carbazole	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Chrysene	ND		68	37	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Fluorene	ND		68	13	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Isophorone	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2-Methylphenol	ND		330	97	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Naphthalene	ND		68	13	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15
Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Phenol	ND		330	100	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
Pyrene	ND		68	16	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/04/23 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*04/03/23 16:38*	*04/04/23 18:09*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*04/03/23 16:38*	*04/04/23 18:09*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*04/03/23 16:38*	*04/04/23 18:09*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/03/23 16:38*	*04/04/23 18:09*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/03/23 16:38*	*04/04/23 18:09*	*1*
2,4,6-Tribromophenol (Surr)	*34*		*34 - 108*	*04/03/23 16:38*	*04/04/23 18:09*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:39*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:39*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:39*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3700**		10	2.6	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Antimony	ND		0.52	0.16	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Arsenic	**4.2**		0.52	0.33	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Barium	**28**		10	1.8	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Beryllium	**0.19**	**J**	0.21	0.057	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Cadmium	**0.22**	**J**	0.26	0.038	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Calcium	**1300**		260	34	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Chromium	**5.2**		0.26	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Cobalt	**3.5**		2.6	0.37	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Copper	**3.8**		1.3	0.78	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Iron	**8900**	**B**	5.2	5.1	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Lead	**4.9**		0.52	0.45	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B14
Lab Sample ID: 180-154242-15

Date Collected: 03/28/23 15:05
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1300**		260	29	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Manganese	**160**		0.78	0.14	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Nickel	**7.9**		2.1	0.26	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Potassium	**150**	**J**	260	44	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Selenium	ND		0.52	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Silver	ND		0.26	0.054	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Sodium	ND		260	27	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Thallium	**0.29**	**J**	1.0	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Vanadium	**5.1**		2.6	0.41	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1
Zinc	**21**	**B**	1.0	0.75	mg/Kg	☼	04/05/23 11:59	04/19/23 10:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.7**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**96.3**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16

Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	20	4.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16
Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,4-Dioxane	ND	*+	1000	36	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Methyl acetate	ND	*+	25	7.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/01/23 06:52*	*04/04/23 20:32*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*04/01/23 06:52*	*04/04/23 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*	*04/01/23 06:52*	*04/04/23 20:32*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/01/23 06:52*	*04/04/23 20:32*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Acetophenone	ND		690	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Anthracene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Atrazine	ND		690	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16
Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Caprolactam	ND		1800	220	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Carbazole	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Chrysene	ND		69	38	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Fluorene	ND		69	14	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Naphthalene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16

Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1800	550	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Phenanthrene	ND		69	19	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
Pyrene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/05/23 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/03/23 16:38*	*04/05/23 16:56*	*1*
2-Fluorophenol (Surr)	*53*		*48 - 105*	*04/03/23 16:38*	*04/05/23 16:56*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*04/03/23 16:38*	*04/05/23 16:56*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*04/03/23 16:38*	*04/05/23 16:56*	*1*
Terphenyl-d14 (Surr)	*63*		*39 - 105*	*04/03/23 16:38*	*04/05/23 16:56*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*34 - 108*	*04/03/23 16:38*	*04/05/23 16:56*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:58*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/30/23 16:41*	*04/04/23 15:58*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:58*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*03/30/23 16:41*	*04/04/23 15:58*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		13	3.1	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Antimony	ND		0.63	0.19	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Arsenic	**6.4**		0.63	0.39	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Barium	**59**		13	2.2	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Beryllium	**0.32**		0.25	0.068	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Cadmium	**0.47**		0.31	0.046	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Calcium	**2000**		310	41	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Chromium	**9.4**		0.31	0.29	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Cobalt	**7.7**		3.1	0.44	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Copper	**13**		1.6	0.95	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Iron	**19000**	**B**	6.3	6.1	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Lead	**7.4**		0.63	0.55	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Magnesium	**2400**		310	34	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B15
Lab Sample ID: 180-154242-16

Date Collected: 03/28/23 15:10
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**330**		0.94	0.17	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Nickel	**17**		2.5	0.32	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Potassium	**520**		310	53	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Selenium	ND		0.63	0.29	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Silver	ND		0.31	0.065	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Sodium	**32**	**J**	310	32	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Thallium	**0.56**	**J**	1.3	0.18	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Vanadium	**12**		3.1	0.50	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1
Zinc	**42**	**B**	1.3	0.91	mg/Kg	☼	04/05/23 11:59	04/19/23 10:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:10	04/18/23 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.0**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**96.0**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17

Date Collected: 03/28/23 15:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	20	3.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17

Date Collected: 03/28/23 15:15
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,4-Dioxane	ND	*+	980	35	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Methyl acetate	ND	*+	24	7.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/01/23 06:52	04/04/23 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*04/01/23 06:52*	*04/04/23 20:56*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*04/01/23 06:52*	*04/04/23 20:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*04/01/23 06:52*	*04/04/23 20:56*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/01/23 06:52*	*04/04/23 20:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Acetophenone	ND		670	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Anthracene	ND		67	17	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Atrazine	ND		670	150	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Benzaldehyde	ND		670	42	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17
Date Collected: 03/28/23 15:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Carbazole	ND		67	16	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Chrysene	ND		67	37	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Fluorene	ND		67	13	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Isophorone	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Naphthalene	ND		67	13	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17

Date Collected: 03/28/23 15:15
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		67	18	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Phenol	ND		330	100	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
Pyrene	ND		67	16	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/03/23 16:38	04/05/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/03/23 16:38*	*04/05/23 17:18*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/03/23 16:38*	*04/05/23 17:18*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*04/03/23 16:38*	*04/05/23 17:18*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*04/03/23 16:38*	*04/05/23 17:18*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/03/23 16:38*	*04/05/23 17:18*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*34 - 108*	*04/03/23 16:38*	*04/05/23 17:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/30/23 16:41*	*04/04/23 16:17*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/30/23 16:41*	*04/04/23 16:17*	*1*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*03/30/23 16:41*	*04/04/23 16:17*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*03/30/23 16:41*	*04/04/23 16:17*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		10	2.6	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Antimony	ND		0.52	0.16	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Arsenic	**8.3**		0.52	0.33	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Barium	**65**		10	1.8	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Beryllium	**0.33**		0.21	0.057	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Cadmium	**0.50**		0.26	0.038	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Calcium	**2200**		260	34	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Chromium	**10**		0.26	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Cobalt	**8.5**		2.6	0.37	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Copper	**15**		1.3	0.78	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Iron	**19000**	**B**	5.2	5.1	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Lead	**12**		0.52	0.45	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Magnesium	**2600**		260	28	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Manganese	**390**		0.78	0.14	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1

Client Sample ID: SSHS-IRM5A2-MSA-B16
Lab Sample ID: 180-154242-17

Date Collected: 03/28/23 15:15
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**18**		2.1	0.26	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Potassium	**560**		260	44	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Selenium	ND		0.52	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Silver	ND		0.26	0.054	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Sodium	**32**	**J**	260	27	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Thallium	**0.55**	**J**	1.0	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Vanadium	**13**		2.6	0.41	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1
Zinc	**43**	**B**	1.0	0.75	mg/Kg	☼	04/05/23 11:59	04/19/23 10:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.7**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**96.3**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18

Date Collected: 03/28/23 15:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*+	19	3.8	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18
Date Collected: 03/28/23 15:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,4-Dioxane	ND	*+	970	34	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Methyl acetate	ND	*+	24	7.2	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/01/23 06:52	04/04/23 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*	*04/01/23 06:52*	*04/04/23 21:18*	*1*
Dibromofluoromethane (Surr)	*122*		*69 - 126*	*04/01/23 06:52*	*04/04/23 21:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*144*	*S1+*	*73 - 135*	*04/01/23 06:52*	*04/04/23 21:18*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/01/23 06:52*	*04/04/23 21:18*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Acetophenone	ND		690	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Anthracene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Atrazine	ND		690	150	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18
Date Collected: 03/28/23 15:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Carbazole	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Chrysene	ND		69	38	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Fluorene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Naphthalene	ND		69	13	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18

Date Collected: 03/28/23 15:20
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
Pyrene	ND		69	16	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/04/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/03/23 16:38*	*04/04/23 19:15*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*04/03/23 16:38*	*04/04/23 19:15*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 105*	*04/03/23 16:38*	*04/04/23 19:15*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*04/03/23 16:38*	*04/04/23 19:15*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/03/23 16:38*	*04/04/23 19:15*	*1*
2,4,6-Tribromophenol (Surr)	*38*		*34 - 108*	*04/03/23 16:38*	*04/04/23 19:15*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1262	ND		17	5.9	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*134*		*63 - 138*	*03/30/23 16:41*	*04/04/23 16:36*	*1*
DCB Decachlorobiphenyl (Surr)	*137*		*63 - 138*	*03/30/23 16:41*	*04/04/23 16:36*	*1*
Tetrachloro-m-xylene (Surr)	*135*		*55 - 135*	*03/30/23 16:41*	*04/04/23 16:36*	*1*
Tetrachloro-m-xylene (Surr)	*132*		*55 - 135*	*03/30/23 16:41*	*04/04/23 16:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		17	4.3	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Antimony	ND		0.87	0.26	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Arsenic	**11**		0.87	0.54	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Barium	**74**		17	3.1	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Beryllium	**0.43**		0.35	0.095	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Cadmium	**0.61**		0.43	0.064	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Calcium	**3100**		430	56	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Chromium	**13**		0.43	0.39	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Cobalt	**10**		4.3	0.61	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Copper	**19**		2.2	1.3	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Iron	**23000**	**B**	8.7	8.4	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Lead	**14**		0.87	0.76	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Magnesium	**3100**		430	48	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Manganese	**450**		1.3	0.24	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Nickel	**21**		3.5	0.44	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1

Client Sample ID: SSHS-IRM5A2-MSA-B17
Lab Sample ID: 180-154242-18

Date Collected: 03/28/23 15:20
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 96.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**720**		430	74	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Selenium	ND		0.87	0.40	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Silver	ND		0.43	0.090	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Sodium	**44**	**J**	430	44	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Thallium	**0.66**	**J**	1.7	0.25	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Vanadium	**16**		4.3	0.69	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1
Zinc	**53**	**B**	1.7	1.3	mg/Kg	☼	04/05/23 11:59	04/19/23 10:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.9**		0.1	0.1	%			03/30/23 09:20	1
Percent Solids (SM22 2540G)	**96.1**		0.1	0.1	%			03/30/23 09:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19

Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19
Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/01/23 06:52	04/01/23 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*04/01/23 06:52*	*04/01/23 14:19*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/01/23 06:52*	*04/01/23 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*04/01/23 06:52*	*04/01/23 14:19*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*04/01/23 06:52*	*04/01/23 14:19*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Acetophenone	ND		710	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Anthracene	ND		71	18	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Atrazine	ND		710	160	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19
Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Carbazole	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Chrysene	ND		71	39	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Dibenz(a,h)anthracene	ND		71	46	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Fluorene	ND		71	14	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Isophorone	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Naphthalene	ND		71	14	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
Phenol	ND		350	110	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19

Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		71	17	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/03/23 16:38*	*04/04/23 19:37*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*04/03/23 16:38*	*04/04/23 19:37*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 105*	*04/03/23 16:38*	*04/04/23 19:37*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*04/03/23 16:38*	*04/04/23 19:37*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*04/03/23 16:38*	*04/04/23 19:37*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*34 - 108*	*04/03/23 16:38*	*04/04/23 19:37*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*03/30/23 16:41*	*04/04/23 16:55*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*03/30/23 16:41*	*04/04/23 16:55*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*03/30/23 16:41*	*04/04/23 16:55*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/30/23 16:41*	*04/04/23 16:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		10	2.5	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Antimony	ND		0.50	0.15	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Arsenic	**7.2**		0.50	0.31	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Barium	**70**		10	1.8	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Beryllium	**0.34**		0.20	0.055	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Cadmium	**0.54**		0.25	0.037	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Calcium	**4500**		250	32	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Chromium	**11**		0.25	0.23	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Cobalt	**9.3**		2.5	0.35	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Copper	**17**		1.3	0.76	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Iron	**20000**	**B**	5.0	4.9	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Lead	**12**		0.50	0.44	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Magnesium	**2800**		250	28	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Manganese	**410**		0.75	0.14	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Nickel	**20**		2.0	0.25	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Potassium	**410**		250	43	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1

Client Sample ID: SSHS-IRM5A2-MSA-B18
Lab Sample ID: 180-154242-19

Date Collected: 03/28/23 15:25
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 93.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.50	0.23	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Silver	ND		0.25	0.052	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Sodium	**37**	**J**	250	26	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Thallium	**0.47**	**J**	1.0	0.14	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Vanadium	**13**		2.5	0.40	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1
Zinc	**45**	**B**	1.0	0.73	mg/Kg	☼	04/05/23 11:59	04/19/23 10:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:10	04/18/23 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			03/30/23 17:08	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			03/30/23 17:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20

Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
2-Butanone (MEK)	ND	*1	5.1	2.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
cis-1,2-Dichloroethene	ND		5.1	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20
Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*04/03/23 08:08*	*04/03/23 17:34*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*04/03/23 08:08*	*04/03/23 17:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*04/03/23 08:08*	*04/03/23 17:34*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*04/03/23 08:08*	*04/03/23 17:34*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Acetophenone	ND		700	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Anthracene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Atrazine	ND		700	150	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20
Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Carbazole	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Chrysene	ND		70	38	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Fluorene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Naphthalene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Phenol	ND		340	110	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
Pyrene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20

Date Collected: 03/28/23 15:30
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/06/23 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*04/03/23 16:38*	*04/06/23 14:08*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*04/03/23 16:38*	*04/06/23 14:08*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*04/03/23 16:38*	*04/06/23 14:08*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*04/03/23 16:38*	*04/06/23 14:08*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*04/03/23 16:38*	*04/06/23 14:08*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/03/23 16:38*	*04/06/23 14:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1232	ND		17	4.3	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1242	ND		17	2.6	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/30/23 16:41	04/04/23 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*03/30/23 16:41*	*04/04/23 17:14*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/30/23 16:41*	*04/04/23 17:14*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*03/30/23 16:41*	*04/04/23 17:14*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*03/30/23 16:41*	*04/04/23 17:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		14	3.6	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Antimony	ND		0.71	0.22	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Arsenic	**9.6**		0.71	0.45	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Barium	**82**		14	2.5	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Beryllium	**0.41**		0.28	0.078	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Cadmium	**0.61**		0.36	0.052	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Calcium	**2700**		360	46	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Chromium	**13**		0.36	0.32	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Cobalt	**11**		3.6	0.50	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Copper	**19**		1.8	1.1	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Iron	**23000**	**B**	7.1	6.9	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Lead	**13**		0.71	0.62	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Magnesium	**3200**		360	39	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Manganese	**390**		1.1	0.20	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Nickel	**23**		2.8	0.36	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Potassium	**680**		360	61	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Selenium	ND		0.71	0.33	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1

Client Sample ID: SSHS-IRM5A2-MSA-B19
Lab Sample ID: 180-154242-20

Date Collected: 03/28/23 15:30
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.36	0.074	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Sodium	**39**	**J**	360	36	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Thallium	**0.79**	**J**	1.4	0.20	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Vanadium	**16**		3.6	0.56	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1
Zinc	**54**	**B**	1.4	1.0	mg/Kg	☼	04/05/23 11:59	04/19/23 10:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:10	04/18/23 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.1**		0.1	0.1	%			03/30/23 17:08	1
Percent Solids (SM22 2540G)	**94.9**		0.1	0.1	%			03/30/23 17:08	1

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21

Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
2-Butanone (MEK)	ND	*1	5.0	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21

Date Collected: 03/28/23 00:00
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 94.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1
Xylenes, Total	ND		9.9	7.2	ug/Kg	☼	04/03/23 08:08	04/03/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/03/23 08:08*	*04/03/23 17:57*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/03/23 08:08*	*04/03/23 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*73 - 135*	*04/03/23 08:08*	*04/03/23 17:57*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/03/23 08:08*	*04/03/23 17:57*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Acetophenone	ND		700	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Anthracene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Atrazine	ND		700	150	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Carbazole	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Chrysene	ND		70	38	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Fluorene	ND		70	14	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Indeno[1,2,3-cd]pyrene	ND		70	34	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Naphthalene	ND		70	13	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
Pyrene	ND		70	16	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21

Date Collected: 03/28/23 00:00
Matrix: Solid

Date Received: 03/29/23 09:50
Percent Solids: 94.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 16:38	04/05/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/03/23 16:38*	*04/05/23 18:01*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/03/23 16:38*	*04/05/23 18:01*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*04/03/23 16:38*	*04/05/23 18:01*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*04/03/23 16:38*	*04/05/23 18:01*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*04/03/23 16:38*	*04/05/23 18:01*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*04/03/23 16:38*	*04/05/23 18:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/30/23 17:04	04/01/23 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*03/30/23 17:04*	*04/01/23 09:34*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*03/30/23 17:04*	*04/01/23 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*	*03/30/23 17:04*	*04/01/23 09:34*	*1*
Tetrachloro-m-xylene (Surr)	*128*		*55 - 135*	*03/30/23 17:04*	*04/01/23 09:34*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		13	3.3	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Antimony	ND		0.66	0.20	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Arsenic	**10**		0.66	0.41	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Barium	**72**		13	2.4	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Beryllium	**0.39**		0.26	0.072	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Cadmium	**0.56**		0.33	0.049	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Calcium	**2400**		330	43	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Chromium	**12**		0.33	0.30	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Cobalt	**9.8**		3.3	0.47	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Copper	**15**		1.7	1.0	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Iron	**21000**	**B**	6.6	6.4	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Lead	**17**		0.66	0.58	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Magnesium	**3000**		330	36	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Manganese	**380**		0.99	0.18	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Nickel	**21**		2.6	0.33	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Potassium	**670**		330	56	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Selenium	ND		0.66	0.30	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Silver	ND		0.33	0.069	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1

Client Sample ID: SSHS-IRM5A2-DUP288
Lab Sample ID: 180-154242-21
Date Collected: 03/28/23 00:00
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 94.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	44	J	330	34	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Thallium	0.56	J	1.3	0.19	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Vanadium	15		3.3	0.52	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1
Zinc	50	B	1.3	0.96	mg/Kg	☼	04/05/23 12:04	04/19/23 10:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.5		0.1	0.1	%			03/30/23 17:08	1
Percent Solids (SM22 2540G)	94.5		0.1	0.1	%			03/30/23 17:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22
Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	J	22	4.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Benzene	ND		5.4	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22

Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Styrene	ND		5.4	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Toluene	ND		5.4	1.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	04/01/23 06:52	04/01/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*04/01/23 06:52*	*04/01/23 15:28*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/01/23 06:52*	*04/01/23 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*04/01/23 06:52*	*04/01/23 15:28*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/01/23 06:52*	*04/01/23 15:28*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Acetophenone	ND		720	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Anthracene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Atrazine	ND		720	160	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22
Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		1800	230	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Carbazole	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Chrysene	ND		72	40	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,4-Dinitrophenol	ND	F1	3500	2200	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Di-n-octyl phthalate	ND	F1	350	210	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Fluorene	ND		72	14	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Isophorone	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Naphthalene	ND		72	14	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Pentachlorophenol	ND	F1	1800	570	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Phenol	ND		350	110	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
Pyrene	ND		72	17	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22

Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/03/23 16:38	04/04/23 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*04/03/23 16:38*	*04/04/23 12:38*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*04/03/23 16:38*	*04/04/23 12:38*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*04/03/23 16:38*	*04/04/23 12:38*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*04/03/23 16:38*	*04/04/23 12:38*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*04/03/23 16:38*	*04/04/23 12:38*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*04/03/23 16:38*	*04/04/23 12:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1221	ND		18	6.4	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1232	ND		18	4.4	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1254	ND		18	5.4	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1260	ND		18	5.1	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1262	ND		18	6.3	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/30/23 17:04	04/01/23 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*03/30/23 17:04*	*04/01/23 08:41*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*03/30/23 17:04*	*04/01/23 08:41*	*1*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*03/30/23 17:04*	*04/01/23 08:41*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*03/30/23 17:04*	*04/01/23 08:41*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		13	3.3	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Antimony	ND	F1 F2	0.66	0.20	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Arsenic	**8.8**	**F2**	0.66	0.41	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Barium	**75**	**F2**	13	2.3	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Beryllium	**0.38**	**F2**	0.26	0.072	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Cadmium	**0.51**	**F2**	0.33	0.048	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Calcium	**2900**	**F1 F2**	330	42	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Chromium	**12**	**F2**	0.33	0.30	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Cobalt	**9.8**	**F2**	3.3	0.46	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Copper	**21**	**F2**	1.6	0.99	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Iron	**40000**		29	28	mg/Kg	☼	04/18/23 10:56	04/21/23 14:16	5
Lead	**13**	**F2**	0.66	0.57	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Magnesium	**3100**	**F1 F2**	330	36	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Manganese	**430**	**B**	0.98	0.18	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Nickel	**22**	**F2**	2.6	0.33	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Potassium	**730**	**F1 F2**	330	56	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Selenium	ND	F2	0.66	0.30	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Silver	ND	F2	0.33	0.068	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Sodium	**38**	**J F2**	330	34	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B20
Lab Sample ID: 180-154242-22
Date Collected: 03/28/23 15:35
Matrix: Solid
Date Received: 03/29/23 09:50
Percent Solids: 92.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.26	J F2	1.3	0.19	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Vanadium	14	F2	3.3	0.52	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1
Zinc	51	F1 F2 B	1.3	0.95	mg/Kg	☼	04/03/23 11:11	04/17/23 13:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.1		0.1	0.1	%			03/30/23 17:08	1
Percent Solids (SM22 2540G)	92.9		0.1	0.1	%			03/30/23 17:08	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-431023/8
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/01/23 13:56	1
Benzene	ND		5.0	1.4	ug/Kg			04/01/23 13:56	1
Bromoform	ND		5.0	2.5	ug/Kg			04/01/23 13:56	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/01/23 13:56	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/01/23 13:56	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/01/23 13:56	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/01/23 13:56	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/01/23 13:56	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/01/23 13:56	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/01/23 13:56	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/01/23 13:56	1
Chloroform	ND		5.0	1.6	ug/Kg			04/01/23 13:56	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/01/23 13:56	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/01/23 13:56	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/01/23 13:56	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/01/23 13:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/01/23 13:56	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/01/23 13:56	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/01/23 13:56	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/01/23 13:56	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/01/23 13:56	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/01/23 13:56	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/01/23 13:56	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/01/23 13:56	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/01/23 13:56	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/01/23 13:56	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/01/23 13:56	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/01/23 13:56	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/01/23 13:56	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/01/23 13:56	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/01/23 13:56	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/01/23 13:56	1
Methyl acetate	ND		25	7.4	ug/Kg			04/01/23 13:56	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/01/23 13:56	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/01/23 13:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/01/23 13:56	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/01/23 13:56	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/01/23 13:56	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/01/23 13:56	1
Styrene	ND		5.0	1.5	ug/Kg			04/01/23 13:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/01/23 13:56	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/01/23 13:56	1
Toluene	ND		5.0	1.4	ug/Kg			04/01/23 13:56	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/01/23 13:56	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/01/23 13:56	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/01/23 13:56	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/01/23 13:56	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/01/23 13:56	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431023/8
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/01/23 13:56	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/01/23 13:56	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/01/23 13:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/01/23 13:56	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/01/23 13:56	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/01/23 13:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*		*04/01/23 13:56*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*		*04/01/23 13:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*		*04/01/23 13:56*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*04/01/23 13:56*	*1*

Lab Sample ID: LCS 180-431023/5
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	41.0		ug/Kg		102	23 - 170
Benzene	40.0	38.2		ug/Kg		96	77 - 120
Bromoform	40.0	40.9		ug/Kg		102	37 - 147
Bromomethane	40.0	31.7		ug/Kg		79	47 - 149
2-Butanone (MEK)	40.0	39.9		ug/Kg		100	39 - 157
Carbon disulfide	40.0	36.7		ug/Kg		92	40 - 156
Carbon tetrachloride	40.0	36.7		ug/Kg		92	73 - 130
Chlorobenzene	40.0	37.3		ug/Kg		93	79 - 122
Chlorobromomethane	40.0	38.7		ug/Kg		97	64 - 128
Chlorodibromomethane	40.0	40.2		ug/Kg		100	60 - 134
Chloroethane	40.0	33.1		ug/Kg		83	37 - 159
Chloroform	40.0	38.3		ug/Kg		96	73 - 126
Chloromethane	40.0	31.7		ug/Kg		79	46 - 151
cis-1,2-Dichloroethene	40.0	38.2		ug/Kg		95	77 - 118
cis-1,3-Dichloropropene	40.0	41.8		ug/Kg		105	73 - 127
Cyclohexane	40.0	37.0		ug/Kg		93	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	44.1		ug/Kg		110	30 - 163
1,2-Dibromoethane	40.0	39.8		ug/Kg		100	59 - 137
1,2-Dichlorobenzene	40.0	38.5		ug/Kg		96	76 - 120
1,3-Dichlorobenzene	40.0	39.2		ug/Kg		98	77 - 121
1,4-Dichlorobenzene	40.0	39.5		ug/Kg		99	79 - 120
Dichlorobromomethane	40.0	38.1		ug/Kg		95	75 - 123
Dichlorodifluoromethane	40.0	29.3		ug/Kg		73	26 - 149
1,1-Dichloroethane	40.0	37.0		ug/Kg		92	73 - 124
1,2-Dichloroethane	40.0	41.9		ug/Kg		105	64 - 140
1,1-Dichloroethene	40.0	37.5		ug/Kg		94	55 - 136
1,2-Dichloroethene, Total	80.0	75.7		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	38.3		ug/Kg		96	77 - 119
1,4-Dioxane	800	874	J	ug/Kg		109	18 - 166
Ethylbenzene	40.0	36.8		ug/Kg		92	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431023/5
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	40.9		ug/Kg		102	42 - 152
Isopropylbenzene	40.0	37.4		ug/Kg		94	70 - 125
Methyl acetate	80.0	119		ug/Kg		148	20 - 170
Methylcyclohexane	40.0	36.7		ug/Kg		92	70 - 125
Methylene Chloride	40.0	51.0		ug/Kg		127	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	42.8		ug/Kg		107	51 - 147
Methyl tert-butyl ether	40.0	41.4		ug/Kg		103	58 - 132
m-Xylene & p-Xylene	40.0	38.5		ug/Kg		96	77 - 120
o-Xylene	40.0	37.2		ug/Kg		93	78 - 118
Styrene	40.0	37.7		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	47.5		ug/Kg		119	36 - 170
Tetrachloroethene	40.0	37.8		ug/Kg		94	71 - 121
Toluene	40.0	36.4		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	37.5		ug/Kg		94	75 - 122
trans-1,3-Dichloropropene	40.0	40.8		ug/Kg		102	68 - 133
1,2,3-Trichlorobenzene	40.0	42.7		ug/Kg		107	29 - 166
1,2,4-Trichlorobenzene	40.0	43.7		ug/Kg		109	22 - 170
1,1,1-Trichloroethane	40.0	37.4		ug/Kg		94	72 - 134
1,1,2-Trichloroethane	40.0	39.5		ug/Kg		99	66 - 128
Trichloroethene	40.0	38.0		ug/Kg		95	69 - 118
Trichlorofluoromethane	40.0	33.0		ug/Kg		83	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.7		ug/Kg		94	59 - 135
Vinyl chloride	40.0	36.1		ug/Kg		90	64 - 134
Xylenes, Total	80.0	75.7		ug/Kg		95	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431037

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	5.0	J	40.4	45.3		ug/Kg	☼	100	23 - 170
Benzene	ND		40.4	38.9		ug/Kg	☼	96	77 - 120
Bromoform	ND		40.4	43.2		ug/Kg	☼	107	37 - 147
Bromomethane	ND		40.4	30.9		ug/Kg	☼	76	47 - 149
2-Butanone (MEK)	ND		40.4	40.3		ug/Kg	☼	100	39 - 157
Carbon disulfide	ND		40.4	37.0		ug/Kg	☼	92	40 - 156
Carbon tetrachloride	ND		40.4	37.7		ug/Kg	☼	93	73 - 130
Chlorobenzene	ND		40.4	37.5		ug/Kg	☼	93	79 - 122
Chlorobromomethane	ND		40.4	41.0		ug/Kg	☼	102	64 - 128
Chlorodibromomethane	ND		40.4	41.5		ug/Kg	☼	103	60 - 134
Chloroethane	ND		40.4	32.3		ug/Kg	☼	80	37 - 159
Chloroform	ND		40.4	38.4		ug/Kg	☼	95	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431037

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		40.4	31.7		ug/Kg	☼	78	46 - 151
cis-1,2-Dichloroethene	ND		40.4	38.9		ug/Kg	☼	96	77 - 118
cis-1,3-Dichloropropene	ND		40.4	42.3		ug/Kg	☼	105	73 - 127
Cyclohexane	ND		40.4	37.5		ug/Kg	☼	93	63 - 143
1,2-Dibromo-3-Chloropropane	ND		40.4	46.1		ug/Kg	☼	114	30 - 163
1,2-Dibromoethane	ND		40.4	42.1		ug/Kg	☼	104	59 - 137
1,2-Dichlorobenzene	ND		40.4	38.6		ug/Kg	☼	96	76 - 120
1,3-Dichlorobenzene	ND		40.4	38.1		ug/Kg	☼	94	77 - 121
1,4-Dichlorobenzene	ND		40.4	38.7		ug/Kg	☼	96	79 - 120
Dichlorobromomethane	ND		40.4	39.8		ug/Kg	☼	99	75 - 123
Dichlorodifluoromethane	ND		40.4	30.0		ug/Kg	☼	74	26 - 149
1,1-Dichloroethane	ND		40.4	36.9		ug/Kg	☼	92	73 - 124
1,2-Dichloroethane	ND		40.4	43.9		ug/Kg	☼	109	64 - 140
1,1-Dichloroethene	ND		40.4	39.5		ug/Kg	☼	98	55 - 136
1,2-Dichloroethene, Total	ND		80.7	76.4		ug/Kg	☼	95	77 - 119
1,2-Dichloropropane	ND		40.4	38.3		ug/Kg	☼	95	77 - 119
1,4-Dioxane	ND		807	752	J	ug/Kg	☼	93	18 - 166
Ethylbenzene	ND		40.4	37.8		ug/Kg	☼	94	79 - 119
2-Hexanone	ND		40.4	43.9		ug/Kg	☼	109	42 - 152
Isopropylbenzene	ND		40.4	37.7		ug/Kg	☼	93	70 - 125
Methyl acetate	ND		80.7	109		ug/Kg	☼	136	20 - 170
Methylcyclohexane	ND		40.4	38.7		ug/Kg	☼	96	70 - 125
Methylene Chloride	ND		40.4	45.6		ug/Kg	☼	113	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		40.4	44.3		ug/Kg	☼	110	51 - 147
Methyl tert-butyl ether	ND		40.4	42.2		ug/Kg	☼	105	58 - 132
m-Xylene & p-Xylene	ND		40.4	38.8		ug/Kg	☼	96	77 - 120
o-Xylene	ND		40.4	37.2		ug/Kg	☼	92	78 - 118
Styrene	ND		40.4	38.1		ug/Kg	☼	94	80 - 120
1,1,2,2-Tetrachloroethane	ND		40.4	51.7		ug/Kg	☼	128	36 - 170
Tetrachloroethene	ND		40.4	38.4		ug/Kg	☼	95	71 - 121
Toluene	ND		40.4	36.3		ug/Kg	☼	90	76 - 120
trans-1,2-Dichloroethene	ND		40.4	37.4		ug/Kg	☼	93	75 - 122
trans-1,3-Dichloropropene	ND		40.4	40.6		ug/Kg	☼	101	68 - 133
1,2,3-Trichlorobenzene	ND		40.4	43.1		ug/Kg	☼	107	29 - 166
1,2,4-Trichlorobenzene	ND		40.4	42.4		ug/Kg	☼	105	22 - 170
1,1,1-Trichloroethane	ND		40.4	37.8		ug/Kg	☼	94	72 - 134
1,1,2-Trichloroethane	ND		40.4	42.2		ug/Kg	☼	105	66 - 128
Trichloroethene	ND		40.4	38.2		ug/Kg	☼	95	69 - 118
Trichlorofluoromethane	ND		40.4	33.8		ug/Kg	☼	84	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.4	39.3		ug/Kg	☼	97	59 - 135
Vinyl chloride	ND		40.4	37.1		ug/Kg	☼	92	64 - 134
Xylenes, Total	ND		80.7	76.0		ug/Kg	☼	94	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431037

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	5.0	J	40.7	34.8		ug/Kg	☼	73	23 - 170	26	35
Benzene	ND		40.7	35.9		ug/Kg	☼	88	77 - 120	8	20
Bromoform	ND		40.7	37.6		ug/Kg	☼	92	37 - 147	14	23
Bromomethane	ND		40.7	24.8		ug/Kg	☼	61	47 - 149	22	25
2-Butanone (MEK)	ND		40.7	34.8		ug/Kg	☼	85	39 - 157	15	33
Carbon disulfide	ND		40.7	35.4		ug/Kg	☼	87	40 - 156	4	25
Carbon tetrachloride	ND		40.7	35.1		ug/Kg	☼	86	73 - 130	7	21
Chlorobenzene	ND		40.7	35.3		ug/Kg	☼	87	79 - 122	6	20
Chlorobromomethane	ND		40.7	36.6		ug/Kg	☼	90	64 - 128	11	20
Chlorodibromomethane	ND		40.7	37.3		ug/Kg	☼	92	60 - 134	10	40
Chloroethane	ND		40.7	31.2		ug/Kg	☼	77	37 - 159	3	25
Chloroform	ND		40.7	35.4		ug/Kg	☼	87	73 - 126	8	20
Chloromethane	ND		40.7	29.6		ug/Kg	☼	73	46 - 151	7	33
cis-1,2-Dichloroethene	ND		40.7	36.2		ug/Kg	☼	89	77 - 118	7	20
cis-1,3-Dichloropropene	ND		40.7	37.9		ug/Kg	☼	93	73 - 127	11	20
Cyclohexane	ND		40.7	35.9		ug/Kg	☼	88	63 - 143	4	25
1,2-Dibromo-3-Chloropropane	ND		40.7	39.6		ug/Kg	☼	97	30 - 163	15	34
1,2-Dibromoethane	ND		40.7	37.2		ug/Kg	☼	91	59 - 137	12	20
1,2-Dichlorobenzene	ND		40.7	35.9		ug/Kg	☼	88	76 - 120	7	20
1,3-Dichlorobenzene	ND		40.7	36.4		ug/Kg	☼	89	77 - 121	5	20
1,4-Dichlorobenzene	ND		40.7	36.6		ug/Kg	☼	90	79 - 120	6	20
Dichlorobromomethane	ND		40.7	35.8		ug/Kg	☼	88	75 - 123	10	20
Dichlorodifluoromethane	ND		40.7	27.8		ug/Kg	☼	68	26 - 149	8	24
1,1-Dichloroethane	ND		40.7	35.2		ug/Kg	☼	87	73 - 124	5	20
1,2-Dichloroethane	ND		40.7	39.5		ug/Kg	☼	97	64 - 140	11	20
1,1-Dichloroethene	ND		40.7	37.2		ug/Kg	☼	91	55 - 136	6	21
1,2-Dichloroethene, Total	ND		81.4	72.3		ug/Kg	☼	89	77 - 119	5	20
1,2-Dichloropropane	ND		40.7	35.1		ug/Kg	☼	86	77 - 119	9	20
1,4-Dioxane	ND		814	821	J	ug/Kg	☼	101	18 - 166	9	40
Ethylbenzene	ND		40.7	35.3		ug/Kg	☼	87	79 - 119	7	20
2-Hexanone	ND		40.7	37.7		ug/Kg	☼	93	42 - 152	15	30
Isopropylbenzene	ND		40.7	35.3		ug/Kg	☼	87	70 - 125	7	21
Methyl acetate	ND		81.4	103		ug/Kg	☼	127	20 - 170	6	33
Methylcyclohexane	ND		40.7	36.1		ug/Kg	☼	89	70 - 125	7	22
Methylene Chloride	ND		40.7	41.9		ug/Kg	☼	103	67 - 131	9	32
4-Methyl-2-pentanone (MIBK)	ND		40.7	38.3		ug/Kg	☼	94	51 - 147	15	27
Methyl tert-butyl ether	ND		40.7	37.8		ug/Kg	☼	93	58 - 132	11	24
m-Xylene & p-Xylene	ND		40.7	37.1		ug/Kg	☼	91	77 - 120	5	20
o-Xylene	ND		40.7	35.2		ug/Kg	☼	86	78 - 118	6	20
Styrene	ND		40.7	35.7		ug/Kg	☼	88	80 - 120	7	20
1,1,2,2-Tetrachloroethane	ND		40.7	42.8		ug/Kg	☼	105	36 - 170	19	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 431023

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	ND		40.7	34.8		ug/Kg	☼	85	71 - 121	10	21
Toluene	ND		40.7	34.4		ug/Kg	☼	85	76 - 120	5	20
trans-1,2-Dichloroethene	ND		40.7	36.1		ug/Kg	☼	89	75 - 122	4	20
trans-1,3-Dichloropropene	ND		40.7	37.7		ug/Kg	☼	93	68 - 133	7	20
1,2,3-Trichlorobenzene	ND		40.7	39.2		ug/Kg	☼	96	29 - 166	9	40
1,2,4-Trichlorobenzene	ND		40.7	39.3		ug/Kg	☼	96	22 - 170	8	29
1,1,1-Trichloroethane	ND		40.7	35.5		ug/Kg	☼	87	72 - 134	6	20
1,1,2-Trichloroethane	ND		40.7	37.3		ug/Kg	☼	92	66 - 128	12	21
Trichloroethene	ND		40.7	36.3		ug/Kg	☼	89	69 - 118	5	20
Trichlorofluoromethane	ND		40.7	32.9		ug/Kg	☼	81	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.7	36.8		ug/Kg	☼	90	59 - 135	6	28
Vinyl chloride	ND		40.7	34.1		ug/Kg	☼	84	64 - 134	8	23
Xylenes, Total	ND		81.4	72.3		ug/Kg	☼	89	78 - 118	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*91*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Lab Sample ID: MB 180-431091/8
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/03/23 12:37	1
Benzene	ND		5.0	1.4	ug/Kg			04/03/23 12:37	1
Bromoform	ND		5.0	2.5	ug/Kg			04/03/23 12:37	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/03/23 12:37	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/03/23 12:37	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/03/23 12:37	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/03/23 12:37	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/03/23 12:37	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/03/23 12:37	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/03/23 12:37	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/03/23 12:37	1
Chloroform	ND		5.0	1.6	ug/Kg			04/03/23 12:37	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/03/23 12:37	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/03/23 12:37	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/03/23 12:37	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/03/23 12:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/03/23 12:37	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/03/23 12:37	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/03/23 12:37	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/03/23 12:37	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/03/23 12:37	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/03/23 12:37	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/03/23 12:37	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431091/8
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/03/23 12:37	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/03/23 12:37	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/03/23 12:37	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/03/23 12:37	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/03/23 12:37	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/03/23 12:37	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/03/23 12:37	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/03/23 12:37	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/03/23 12:37	1
Methyl acetate	ND		25	7.4	ug/Kg			04/03/23 12:37	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/03/23 12:37	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/03/23 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/03/23 12:37	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/03/23 12:37	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/03/23 12:37	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/03/23 12:37	1
Styrene	ND		5.0	1.5	ug/Kg			04/03/23 12:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/03/23 12:37	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/03/23 12:37	1
Toluene	ND		5.0	1.4	ug/Kg			04/03/23 12:37	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/03/23 12:37	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/03/23 12:37	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/03/23 12:37	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/03/23 12:37	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/03/23 12:37	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/03/23 12:37	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/03/23 12:37	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/03/23 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/03/23 12:37	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/03/23 12:37	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/03/23 12:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*04/03/23 12:37*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*		*04/03/23 12:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*		*04/03/23 12:37*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*04/03/23 12:37*	*1*

Lab Sample ID: LCS 180-431091/4
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	29.0		ug/Kg		73	23 - 170
Benzene	40.0	37.1		ug/Kg		93	77 - 120
Bromoform	40.0	35.8		ug/Kg		89	37 - 147
Bromomethane	40.0	29.2		ug/Kg		73	47 - 149
2-Butanone (MEK)	40.0	22.9		ug/Kg		57	39 - 157

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431091/4
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	40.0	34.9		ug/Kg		87	40 - 156
Carbon tetrachloride	40.0	37.2		ug/Kg		93	73 - 130
Chlorobenzene	40.0	35.7		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	33.8		ug/Kg		85	64 - 128
Chlorodibromomethane	40.0	35.3		ug/Kg		88	60 - 134
Chloroethane	40.0	28.6		ug/Kg		71	37 - 159
Chloroform	40.0	36.8		ug/Kg		92	73 - 126
Chloromethane	40.0	25.5		ug/Kg		64	46 - 151
cis-1,2-Dichloroethene	40.0	37.1		ug/Kg		93	77 - 118
cis-1,3-Dichloropropene	40.0	38.6		ug/Kg		96	73 - 127
Cyclohexane	40.0	36.3		ug/Kg		91	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	34.6		ug/Kg		86	30 - 163
1,2-Dibromoethane	40.0	34.1		ug/Kg		85	59 - 137
1,2-Dichlorobenzene	40.0	36.5		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	38.3		ug/Kg		96	77 - 121
1,4-Dichlorobenzene	40.0	37.8		ug/Kg		94	79 - 120
Dichlorobromomethane	40.0	35.9		ug/Kg		90	75 - 123
Dichlorodifluoromethane	40.0	17.7		ug/Kg		44	26 - 149
1,1-Dichloroethane	40.0	35.2		ug/Kg		88	73 - 124
1,2-Dichloroethane	40.0	37.2		ug/Kg		93	64 - 140
1,1-Dichloroethene	40.0	35.7		ug/Kg		89	55 - 136
1,2-Dichloroethene, Total	80.0	73.9		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	35.6		ug/Kg		89	77 - 119
1,4-Dioxane	800	610	J	ug/Kg		76	18 - 166
Ethylbenzene	40.0	36.2		ug/Kg		91	79 - 119
2-Hexanone	40.0	27.6		ug/Kg		69	42 - 152
Isopropylbenzene	40.0	37.2		ug/Kg		93	70 - 125
Methyl acetate	80.0	88.0		ug/Kg		110	20 - 170
Methylcyclohexane	40.0	37.7		ug/Kg		94	70 - 125
Methylene Chloride	40.0	39.7		ug/Kg		99	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	32.3		ug/Kg		81	51 - 147
Methyl tert-butyl ether	40.0	34.5		ug/Kg		86	58 - 132
m-Xylene & p-Xylene	40.0	38.8		ug/Kg		97	77 - 120
o-Xylene	40.0	36.4		ug/Kg		91	78 - 118
Styrene	40.0	36.2		ug/Kg		90	80 - 120
1,1,2,2-Tetrachloroethane	40.0	37.7		ug/Kg		94	36 - 170
Tetrachloroethene	40.0	37.5		ug/Kg		94	71 - 121
Toluene	40.0	35.5		ug/Kg		89	76 - 120
trans-1,2-Dichloroethene	40.0	36.9		ug/Kg		92	75 - 122
trans-1,3-Dichloropropene	40.0	35.4		ug/Kg		88	68 - 133
1,2,3-Trichlorobenzene	40.0	38.9		ug/Kg		97	29 - 166
1,2,4-Trichlorobenzene	40.0	40.1		ug/Kg		100	22 - 170
1,1,1-Trichloroethane	40.0	37.8		ug/Kg		94	72 - 134
1,1,2-Trichloroethane	40.0	34.6		ug/Kg		87	66 - 128
Trichloroethene	40.0	37.7		ug/Kg		94	69 - 118
Trichlorofluoromethane	40.0	31.5		ug/Kg		79	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.1		ug/Kg		93	59 - 135
Vinyl chloride	40.0	33.4		ug/Kg		84	64 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431091/4
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			80.0	75.2		ug/Kg		94	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: LCSD 180-431091/5
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	39.5		ug/Kg		99	23 - 170	31	35
Benzene			40.0	36.7		ug/Kg		92	77 - 120	1	20
Bromoform			40.0	36.5		ug/Kg		91	37 - 147	2	23
Bromomethane			40.0	27.9		ug/Kg		70	47 - 149	4	25
2-Butanone (MEK)			40.0	35.0	*1	ug/Kg		87	39 - 157	42	33
Carbon disulfide			40.0	34.2		ug/Kg		86	40 - 156	2	25
Carbon tetrachloride			40.0	36.5		ug/Kg		91	73 - 130	2	21
Chlorobenzene			40.0	35.6		ug/Kg		89	79 - 122	0	20
Chlorobromomethane			40.0	36.7		ug/Kg		92	64 - 128	8	20
Chlorodibromomethane			40.0	36.1		ug/Kg		90	60 - 134	2	40
Chloroethane			40.0	29.5		ug/Kg		74	37 - 159	3	25
Chloroform			40.0	36.5		ug/Kg		91	73 - 126	1	20
Chloromethane			40.0	25.2		ug/Kg		63	46 - 151	1	33
cis-1,2-Dichloroethene			40.0	36.9		ug/Kg		92	77 - 118	0	20
cis-1,3-Dichloropropene			40.0	39.3		ug/Kg		98	73 - 127	2	20
Cyclohexane			40.0	35.9		ug/Kg		90	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	37.7		ug/Kg		94	30 - 163	9	34
1,2-Dibromoethane			40.0	36.3		ug/Kg		91	59 - 137	6	20
1,2-Dichlorobenzene			40.0	35.6		ug/Kg		89	76 - 120	2	20
1,3-Dichlorobenzene			40.0	37.4		ug/Kg		93	77 - 121	2	20
1,4-Dichlorobenzene			40.0	37.3		ug/Kg		93	79 - 120	1	20
Dichlorobromomethane			40.0	36.6		ug/Kg		92	75 - 123	2	20
Dichlorodifluoromethane			40.0	16.7		ug/Kg		42	26 - 149	6	24
1,1-Dichloroethane			40.0	35.9		ug/Kg		90	73 - 124	2	20
1,2-Dichloroethane			40.0	38.8		ug/Kg		97	64 - 140	4	20
1,1-Dichloroethene			40.0	37.2		ug/Kg		93	55 - 136	4	21
1,2-Dichloroethene, Total			80.0	73.2		ug/Kg		92	77 - 119	1	20
1,2-Dichloropropane			40.0	36.0		ug/Kg		90	77 - 119	1	20
1,4-Dioxane			800	758	J	ug/Kg		95	18 - 166	22	40
Ethylbenzene			40.0	36.3		ug/Kg		91	79 - 119	0	20
2-Hexanone			40.0	37.0		ug/Kg		93	42 - 152	29	30
Isopropylbenzene			40.0	36.1		ug/Kg		90	70 - 125	3	21
Methyl acetate			80.0	99.7		ug/Kg		125	20 - 170	12	33
Methylcyclohexane			40.0	36.6		ug/Kg		91	70 - 125	3	22
Methylene Chloride			40.0	40.8		ug/Kg		102	67 - 131	3	32

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-431091/5
Matrix: Solid
Analysis Batch: 431091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			40.0	37.2		ug/Kg		93	51 - 147	14	27
Methyl tert-butyl ether			40.0	36.9		ug/Kg		92	58 - 132	7	24
m-Xylene & p-Xylene			40.0	37.6		ug/Kg		94	77 - 120	3	20
o-Xylene			40.0	35.4		ug/Kg		89	78 - 118	3	20
Styrene			40.0	37.0		ug/Kg		92	80 - 120	2	20
1,1,2,2-Tetrachloroethane			40.0	42.7		ug/Kg		107	36 - 170	12	23
Tetrachloroethene			40.0	37.0		ug/Kg		93	71 - 121	1	21
Toluene			40.0	35.0		ug/Kg		87	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	36.3		ug/Kg		91	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	37.7		ug/Kg		94	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	39.2		ug/Kg		98	29 - 166	1	40
1,2,4-Trichlorobenzene			40.0	39.6		ug/Kg		99	22 - 170	1	29
1,1,1-Trichloroethane			40.0	36.8		ug/Kg		92	72 - 134	3	20
1,1,2-Trichloroethane			40.0	37.2		ug/Kg		93	66 - 128	7	21
Trichloroethene			40.0	36.8		ug/Kg		92	69 - 118	2	20
Trichlorofluoromethane			40.0	30.4		ug/Kg		76	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	37.4		ug/Kg		94	59 - 135	1	28
Vinyl chloride			40.0	31.5		ug/Kg		79	64 - 134	6	23
Xylenes, Total			80.0	73.0		ug/Kg		91	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: MB 180-431228/7
Matrix: Solid
Analysis Batch: 431228

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/04/23 11:59	1
Benzene	ND		5.0	1.4	ug/Kg			04/04/23 11:59	1
Bromoform	ND		5.0	2.5	ug/Kg			04/04/23 11:59	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/04/23 11:59	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/04/23 11:59	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/04/23 11:59	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/04/23 11:59	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/04/23 11:59	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/04/23 11:59	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/04/23 11:59	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/04/23 11:59	1
Chloroform	ND		5.0	1.6	ug/Kg			04/04/23 11:59	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/04/23 11:59	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/04/23 11:59	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/04/23 11:59	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/04/23 11:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/04/23 11:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431228/7
Matrix: Solid
Analysis Batch: 431228

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/04/23 11:59	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/04/23 11:59	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/04/23 11:59	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/04/23 11:59	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/04/23 11:59	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/04/23 11:59	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/04/23 11:59	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/04/23 11:59	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/04/23 11:59	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/04/23 11:59	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/04/23 11:59	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/04/23 11:59	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/04/23 11:59	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/04/23 11:59	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/04/23 11:59	1
Methyl acetate	ND		25	7.4	ug/Kg			04/04/23 11:59	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/04/23 11:59	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/04/23 11:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/04/23 11:59	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/04/23 11:59	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/04/23 11:59	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/04/23 11:59	1
Styrene	ND		5.0	1.5	ug/Kg			04/04/23 11:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/04/23 11:59	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/04/23 11:59	1
Toluene	ND		5.0	1.4	ug/Kg			04/04/23 11:59	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/04/23 11:59	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/04/23 11:59	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/04/23 11:59	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/04/23 11:59	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/04/23 11:59	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/04/23 11:59	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/04/23 11:59	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/04/23 11:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/04/23 11:59	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/04/23 11:59	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/04/23 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*04/04/23 11:59*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*		*04/04/23 11:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*		*04/04/23 11:59*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*04/04/23 11:59*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431228/3
Matrix: Solid
Analysis Batch: 431228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	56.3		ug/Kg		141	23 - 170
Benzene	40.0	42.1		ug/Kg		105	77 - 120
Bromoform	40.0	45.9		ug/Kg		115	37 - 147
Bromomethane	40.0	28.8		ug/Kg		72	47 - 149
2-Butanone (MEK)	40.0	50.2		ug/Kg		126	39 - 157
Carbon disulfide	40.0	40.4		ug/Kg		101	40 - 156
Carbon tetrachloride	40.0	40.0		ug/Kg		100	73 - 130
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 122
Chlorobromomethane	40.0	46.9		ug/Kg		117	64 - 128
Chlorodibromomethane	40.0	43.2		ug/Kg		108	60 - 134
Chloroethane	40.0	30.3		ug/Kg		76	37 - 159
Chloroform	40.0	40.5		ug/Kg		101	73 - 126
Chloromethane	40.0	35.1		ug/Kg		88	46 - 151
cis-1,2-Dichloroethene	40.0	43.0		ug/Kg		107	77 - 118
cis-1,3-Dichloropropene	40.0	46.1		ug/Kg		115	73 - 127
Cyclohexane	40.0	40.2		ug/Kg		100	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	45.4		ug/Kg		113	30 - 163
1,2-Dibromoethane	40.0	43.9		ug/Kg		110	59 - 137
1,2-Dichlorobenzene	40.0	36.7		ug/Kg		92	76 - 120
1,3-Dichlorobenzene	40.0	36.9		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	37.2		ug/Kg		93	79 - 120
Dichlorobromomethane	40.0	42.1		ug/Kg		105	75 - 123
Dichlorodifluoromethane	40.0	51.3		ug/Kg		128	26 - 149
1,1-Dichloroethane	40.0	41.2		ug/Kg		103	73 - 124
1,2-Dichloroethane	40.0	49.6		ug/Kg		124	64 - 140
1,1-Dichloroethene	40.0	39.2		ug/Kg		98	55 - 136
1,2-Dichloroethene, Total	80.0	80.1		ug/Kg		100	77 - 119
1,2-Dichloropropane	40.0	40.9		ug/Kg		102	77 - 119
1,4-Dioxane	800	988	J	ug/Kg		124	18 - 166
Ethylbenzene	40.0	36.5		ug/Kg		91	79 - 119
2-Hexanone	40.0	48.4		ug/Kg		121	42 - 152
Isopropylbenzene	40.0	35.2		ug/Kg		88	70 - 125
Methyl acetate	80.0	134		ug/Kg		167	20 - 170
Methylcyclohexane	40.0	41.3		ug/Kg		103	70 - 125
Methylene Chloride	40.0	42.8		ug/Kg		107	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	47.6		ug/Kg		119	51 - 147
Methyl tert-butyl ether	40.0	43.5		ug/Kg		109	58 - 132
m-Xylene & p-Xylene	40.0	38.8		ug/Kg		97	77 - 120
o-Xylene	40.0	37.5		ug/Kg		94	78 - 118
Styrene	40.0	39.2		ug/Kg		98	80 - 120
1,1,2,2-Tetrachloroethane	40.0	51.8		ug/Kg		129	36 - 170
Tetrachloroethene	40.0	37.9		ug/Kg		95	71 - 121
Toluene	40.0	37.5		ug/Kg		94	76 - 120
trans-1,2-Dichloroethene	40.0	37.1		ug/Kg		93	75 - 122
trans-1,3-Dichloropropene	40.0	43.3		ug/Kg		108	68 - 133
1,2,3-Trichlorobenzene	40.0	42.5		ug/Kg		106	29 - 166
1,2,4-Trichlorobenzene	40.0	40.0		ug/Kg		100	22 - 170
1,1,1-Trichloroethane	40.0	39.8		ug/Kg		100	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431228/3
Matrix: Solid
Analysis Batch: 431228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,2-Trichloroethane			40.0	43.7		ug/Kg		109	66 - 128		
Trichloroethene			40.0	39.6		ug/Kg		99	69 - 118		
Trichlorofluoromethane			40.0	31.1		ug/Kg		78	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	39.6		ug/Kg		99	59 - 135		
Vinyl chloride			40.0	32.3		ug/Kg		81	64 - 134		
Xylenes, Total			80.0	76.3		ug/Kg		95	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*
Dibromofluoromethane (Surr)	*89*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*84*		*67 - 134*

Lab Sample ID: LCSD 180-431228/4
Matrix: Solid
Analysis Batch: 431228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	71.6	*+	ug/Kg		179	23 - 170	24	35
Benzene			40.0	41.2		ug/Kg		103	77 - 120	2	20
Bromoform			40.0	48.3		ug/Kg		121	37 - 147	5	23
Bromomethane			40.0	28.2		ug/Kg		70	47 - 149	2	25
2-Butanone (MEK)			40.0	58.7		ug/Kg		147	39 - 157	16	33
Carbon disulfide			40.0	43.4		ug/Kg		108	40 - 156	7	25
Carbon tetrachloride			40.0	37.2		ug/Kg		93	73 - 130	7	21
Chlorobenzene			40.0	36.8		ug/Kg		92	79 - 122	2	20
Chlorobromomethane			40.0	45.5		ug/Kg		114	64 - 128	3	20
Chlorodibromomethane			40.0	44.5		ug/Kg		111	60 - 134	3	40
Chloroethane			40.0	29.4		ug/Kg		73	37 - 159	3	25
Chloroform			40.0	39.6		ug/Kg		99	73 - 126	2	20
Chloromethane			40.0	32.2		ug/Kg		80	46 - 151	9	33
cis-1,2-Dichloroethene			40.0	40.6		ug/Kg		101	77 - 118	6	20
cis-1,3-Dichloropropene			40.0	41.9		ug/Kg		105	73 - 127	10	20
Cyclohexane			40.0	36.7		ug/Kg		92	63 - 143	9	25
1,2-Dibromo-3-Chloropropane			40.0	49.3		ug/Kg		123	30 - 163	8	34
1,2-Dibromoethane			40.0	47.8		ug/Kg		120	59 - 137	9	20
1,2-Dichlorobenzene			40.0	36.2		ug/Kg		91	76 - 120	1	20
1,3-Dichlorobenzene			40.0	33.4		ug/Kg		84	77 - 121	10	20
1,4-Dichlorobenzene			40.0	35.7		ug/Kg		89	79 - 120	4	20
Dichlorobromomethane			40.0	41.8		ug/Kg		105	75 - 123	1	20
Dichlorodifluoromethane			40.0	43.9		ug/Kg		110	26 - 149	16	24
1,1-Dichloroethane			40.0	38.3		ug/Kg		96	73 - 124	7	20
1,2-Dichloroethane			40.0	49.5		ug/Kg		124	64 - 140	0	20
1,1-Dichloroethene			40.0	42.2		ug/Kg		106	55 - 136	7	21
1,2-Dichloroethene, Total			80.0	79.6		ug/Kg		100	77 - 119	1	20
1,2-Dichloropropane			40.0	40.7		ug/Kg		102	77 - 119	0	20
1,4-Dioxane			800	1430	*+	ug/Kg		179	18 - 166	36	40
Ethylbenzene			40.0	35.4		ug/Kg		89	79 - 119	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-431228/4
Matrix: Solid
Analysis Batch: 431228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			40.0	58.3		ug/Kg		146	42 - 152	19	30
Isopropylbenzene			40.0	34.5		ug/Kg		86	70 - 125	2	21
Methyl acetate			80.0	172	*+	ug/Kg		216	20 - 170	25	33
Methylcyclohexane			40.0	36.7		ug/Kg		92	70 - 125	12	22
Methylene Chloride			40.0	48.9		ug/Kg		122	67 - 131	13	32
4-Methyl-2-pentanone (MIBK)			40.0	55.3		ug/Kg		138	51 - 147	15	27
Methyl tert-butyl ether			40.0	50.0		ug/Kg		125	58 - 132	14	24
m-Xylene & p-Xylene			40.0	37.4		ug/Kg		93	77 - 120	4	20
o-Xylene			40.0	35.9		ug/Kg		90	78 - 118	4	20
Styrene			40.0	36.9		ug/Kg		92	80 - 120	6	20
1,1,2,2-Tetrachloroethane			40.0	59.2		ug/Kg		148	36 - 170	13	23
Tetrachloroethene			40.0	36.8		ug/Kg		92	71 - 121	3	21
Toluene			40.0	37.7		ug/Kg		94	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	39.0		ug/Kg		98	75 - 122	5	20
trans-1,3-Dichloropropene			40.0	43.6		ug/Kg		109	68 - 133	1	20
1,2,3-Trichlorobenzene			40.0	38.9		ug/Kg		97	29 - 166	9	40
1,2,4-Trichlorobenzene			40.0	35.4		ug/Kg		88	22 - 170	12	29
1,1,1-Trichloroethane			40.0	38.3		ug/Kg		96	72 - 134	4	20
1,1,2-Trichloroethane			40.0	46.7		ug/Kg		117	66 - 128	7	21
Trichloroethene			40.0	37.9		ug/Kg		95	69 - 118	4	20
Trichlorofluoromethane			40.0	30.6		ug/Kg		77	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	41.1		ug/Kg		103	59 - 135	4	28
Vinyl chloride			40.0	31.1		ug/Kg		78	64 - 134	4	23
Xylenes, Total			80.0	73.3		ug/Kg		92	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-430993/1-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Acenaphthylene	ND		67	15	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Acetophenone	ND		670	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Anthracene	ND		67	17	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Atrazine	ND		670	150	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Benzaldehyde	ND		670	41	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Benzo[a]anthracene	ND		67	30	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Benzo[a]pyrene	ND		67	29	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		03/31/23 17:33	04/01/23 11:09	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-430993/1-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		67	20	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
1,1'-Biphenyl	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Caprolactam	ND		1700	220	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Carbazole	ND		67	16	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4-Chloroaniline	ND		330	88	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2-Chloronaphthalene	ND		67	15	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2-Chlorophenol	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Chrysene	ND		67	37	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Dibenzofuran	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Diethyl phthalate	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Dimethyl phthalate	ND		330	130	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
1,4-Dioxane	ND		670	100	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Fluoranthene	ND		67	18	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Fluorene	ND		67	13	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Hexachlorobenzene	ND		67	24	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Hexachlorobutadiene	ND		67	20	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Hexachloroethane	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Isophorone	ND		330	130	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2-Methylnaphthalene	ND		67	16	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2-Methylphenol	ND		330	96	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Naphthalene	ND		67	13	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2-Nitroaniline	ND		1700	150	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
3-Nitroaniline	ND		1700	85	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4-Nitroaniline	ND		1700	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Nitrobenzene	ND		670	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2-Nitrophenol	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
4-Nitrophenol	ND		1700	230	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		03/31/23 17:33	04/01/23 11:09	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-430993/1-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Pentachlorophenol	ND		1700	540	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Phenanthrene	ND		67	18	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Phenol	ND		330	100	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
Pyrene	ND		67	16	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		03/31/23 17:33	04/01/23 11:09	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		03/31/23 17:33	04/01/23 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*03/31/23 17:33*	*04/01/23 11:09*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*03/31/23 17:33*	*04/01/23 11:09*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*03/31/23 17:33*	*04/01/23 11:09*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*03/31/23 17:33*	*04/01/23 11:09*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*03/31/23 17:33*	*04/01/23 11:09*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*03/31/23 17:33*	*04/01/23 11:09*	*1*

Lab Sample ID: LCS 180-430993/2-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4730		ug/Kg		71	50 - 100
Acenaphthylene	6670	4720		ug/Kg		71	52 - 100
Acetophenone	6670	4610		ug/Kg		69	48 - 100
Anthracene	6670	4690		ug/Kg		70	53 - 100
Atrazine	6670	4560		ug/Kg		68	49 - 103
Benzaldehyde	6670	4970		ug/Kg		74	23 - 105
Benzo[a]anthracene	6670	4710		ug/Kg		71	51 - 100
Benzo[a]pyrene	6670	4800		ug/Kg		72	51 - 100
Benzo[b]fluoranthene	6670	4920		ug/Kg		74	48 - 100
Benzo[g,h,i]perylene	6670	4840		ug/Kg		73	48 - 105
Benzo[k]fluoranthene	6670	4860		ug/Kg		73	19 - 100
1,1'-Biphenyl	6670	4730		ug/Kg		71	50 - 100
Bis(2-chloroethoxy)methane	6670	4460		ug/Kg		67	49 - 100
Bis(2-chloroethyl)ether	6670	4710		ug/Kg		71	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5170		ug/Kg		78	53 - 107
4-Bromophenyl phenyl ether	6670	5020		ug/Kg		75	52 - 101
Butyl benzyl phthalate	6670	5260		ug/Kg		79	52 - 107
Caprolactam	6670	4780		ug/Kg		72	48 - 111
Carbazole	6670	4530		ug/Kg		68	53 - 100
4-Chloroaniline	6670	4650		ug/Kg		70	47 - 100
4-Chloro-3-methylphenol	6670	4900		ug/Kg		73	49 - 106
2-Chloronaphthalene	6670	4800		ug/Kg		72	51 - 100
2-Chlorophenol	6670	4750		ug/Kg		71	51 - 100
4-Chlorophenyl phenyl ether	6670	4890		ug/Kg		73	52 - 100
Chrysene	6670	4580		ug/Kg		69	50 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-430993/2-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	6670	5170		ug/Kg		78	50 - 107
Dibenzofuran	6670	4660		ug/Kg		70	52 - 100
3,3'-Dichlorobenzidine	6670	4360		ug/Kg		65	43 - 100
2,4-Dichlorophenol	6670	4820		ug/Kg		72	53 - 101
Diethyl phthalate	6670	4940		ug/Kg		74	48 - 104
2,4-Dimethylphenol	6670	4620		ug/Kg		69	51 - 101
Dimethyl phthalate	6670	4910		ug/Kg		74	53 - 100
Di-n-butyl phthalate	6670	4650		ug/Kg		70	57 - 102
4,6-Dinitro-2-methylphenol	13300	10300		ug/Kg		77	51 - 100
2,4-Dinitrophenol	13300	8270		ug/Kg		62	33 - 101
2,4-Dinitrotoluene	6670	5190		ug/Kg		78	54 - 104
2,6-Dinitrotoluene	6670	4950		ug/Kg		74	51 - 106
Di-n-octyl phthalate	6670	5050		ug/Kg		76	41 - 106
1,4-Dioxane	6670	4120		ug/Kg		62	25 - 125
Fluoranthene	6670	4730		ug/Kg		71	55 - 100
Fluorene	6670	4760		ug/Kg		71	52 - 100
Hexachlorobenzene	6670	5210		ug/Kg		78	49 - 100
Hexachlorobutadiene	6670	4570		ug/Kg		69	38 - 107
Hexachlorocyclopentadiene	6670	4880		ug/Kg		73	33 - 117
Hexachloroethane	6670	4640		ug/Kg		70	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5160		ug/Kg		77	51 - 103
Isophorone	6670	4550		ug/Kg		68	48 - 105
2-Methylnaphthalene	6670	4500		ug/Kg		68	53 - 100
2-Methylphenol	6670	4790		ug/Kg		72	50 - 101
Methylphenol, 3 & 4	6670	4870		ug/Kg		73	50 - 103
Naphthalene	6670	4610		ug/Kg		69	51 - 100
2-Nitroaniline	6670	5240		ug/Kg		79	42 - 123
3-Nitroaniline	6670	5050		ug/Kg		76	50 - 103
4-Nitroaniline	6670	5090		ug/Kg		76	52 - 103
Nitrobenzene	6670	4540		ug/Kg		68	44 - 108
2-Nitrophenol	6670	4850		ug/Kg		73	55 - 107
4-Nitrophenol	13300	10500		ug/Kg		79	30 - 134
N-Nitrosodi-n-propylamine	6670	4870		ug/Kg		73	45 - 107
N-Nitrosodiphenylamine	6670	4820		ug/Kg		72	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4520		ug/Kg		68	30 - 113
Pentachlorophenol	13300	9090		ug/Kg		68	42 - 110
Phenanthrene	6670	4620		ug/Kg		69	53 - 100
Phenol	6670	4500		ug/Kg		67	49 - 100
Pyrene	6670	4940		ug/Kg		74	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4850		ug/Kg		73	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4930		ug/Kg		74	47 - 104
2,4,5-Trichlorophenol	6670	5030		ug/Kg		75	50 - 104
2,4,6-Trichlorophenol	6670	5170		ug/Kg		78	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*44 - 105*
2-Fluorophenol (Surr)	*68*		*48 - 105*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-430993/2-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430993

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*67*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*

Lab Sample ID: LCSD 180-430993/3-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 430993

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	4410		ug/Kg		66	50 - 100	7	20
Acenaphthylene			6670	4460		ug/Kg		67	52 - 100	6	20
Acetophenone			6670	4380		ug/Kg		66	48 - 100	5	17
Anthracene			6670	4170		ug/Kg		63	53 - 100	12	20
Atrazine			6670	4270		ug/Kg		64	49 - 103	7	19
Benzaldehyde			6670	4770		ug/Kg		72	23 - 105	4	31
Benzo[a]anthracene			6670	4330		ug/Kg		65	51 - 100	8	21
Benzo[a]pyrene			6670	4430		ug/Kg		66	51 - 100	8	20
Benzo[b]fluoranthene			6670	4650		ug/Kg		70	48 - 100	5	20
Benzo[g,h,i]perylene			6670	4600		ug/Kg		69	48 - 105	5	19
Benzo[k]fluoranthene			6670	4570		ug/Kg		69	19 - 100	6	20
1,1'-Biphenyl			6670	4380		ug/Kg		66	50 - 100	8	19
Bis(2-chloroethoxy)methane			6670	4220		ug/Kg		63	49 - 100	6	20
Bis(2-chloroethyl)ether			6670	4640		ug/Kg		70	48 - 100	2	18
Bis(2-ethylhexyl) phthalate			6670	4780		ug/Kg		72	53 - 107	8	20
4-Bromophenyl phenyl ether			6670	4530		ug/Kg		68	52 - 101	10	20
Butyl benzyl phthalate			6670	4850		ug/Kg		73	52 - 107	8	19
Caprolactam			6670	4720		ug/Kg		71	48 - 111	1	23
Carbazole			6670	4150		ug/Kg		62	53 - 100	9	20
4-Chloroaniline			6670	4380		ug/Kg		66	47 - 100	6	20
4-Chloro-3-methylphenol			6670	4560		ug/Kg		68	49 - 106	7	20
2-Chloronaphthalene			6670	4350		ug/Kg		65	51 - 100	10	20
2-Chlorophenol			6670	4580		ug/Kg		69	51 - 100	4	17
4-Chlorophenyl phenyl ether			6670	4470		ug/Kg		67	52 - 100	9	19
Chrysene			6670	4190		ug/Kg		63	50 - 100	9	20
Dibenz(a,h)anthracene			6670	4870		ug/Kg		73	50 - 107	6	21
Dibenzofuran			6670	4300		ug/Kg		65	52 - 100	8	19
3,3'-Dichlorobenzidine			6670	3840		ug/Kg		58	43 - 100	13	19
2,4-Dichlorophenol			6670	4260		ug/Kg		64	53 - 101	12	22
Diethyl phthalate			6670	4500		ug/Kg		68	48 - 104	9	20
2,4-Dimethylphenol			6670	4370		ug/Kg		66	51 - 101	5	32
Dimethyl phthalate			6670	4540		ug/Kg		68	53 - 100	8	21
Di-n-butyl phthalate			6670	4380		ug/Kg		66	57 - 102	6	20
4,6-Dinitro-2-methylphenol			13300	8920		ug/Kg		67	51 - 100	14	22
2,4-Dinitrophenol			13300	6470	*1	ug/Kg		49	33 - 101	24	20
2,4-Dinitrotoluene			6670	4890		ug/Kg		73	54 - 104	6	20
2,6-Dinitrotoluene			6670	4640		ug/Kg		70	51 - 106	6	20
Di-n-octyl phthalate			6670	4770		ug/Kg		72	41 - 106	6	18
1,4-Dioxane			6670	4220		ug/Kg		63	25 - 125	2	17

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-430993/3-A
Matrix: Solid
Analysis Batch: 431029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 430993

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene			6670	4310		ug/Kg		65	55 - 100	9	20
Fluorene			6670	4320		ug/Kg		65	52 - 100	10	19
Hexachlorobenzene			6670	4640		ug/Kg		70	49 - 100	12	20
Hexachlorobutadiene			6670	4490		ug/Kg		67	38 - 107	2	22
Hexachlorocyclopentadiene			6670	4610		ug/Kg		69	33 - 117	6	19
Hexachloroethane			6670	4570		ug/Kg		69	47 - 100	2	17
Indeno[1,2,3-cd]pyrene			6670	4810		ug/Kg		72	51 - 103	7	19
Isophorone			6670	4500		ug/Kg		67	48 - 105	1	20
2-Methylnaphthalene			6670	4350		ug/Kg		65	53 - 100	3	21
2-Methylphenol			6670	4580		ug/Kg		69	50 - 101	4	17
Methylphenol, 3 & 4			6670	4670		ug/Kg		70	50 - 103	4	19
Naphthalene			6670	4390		ug/Kg		66	51 - 100	5	20
2-Nitroaniline			6670	4870		ug/Kg		73	42 - 123	7	19
3-Nitroaniline			6670	4760		ug/Kg		71	50 - 103	6	20
4-Nitroaniline			6670	4490		ug/Kg		67	52 - 103	12	18
Nitrobenzene			6670	4400		ug/Kg		66	44 - 108	3	21
2-Nitrophenol			6670	4670		ug/Kg		70	55 - 107	4	19
4-Nitrophenol			13300	9640		ug/Kg		72	30 - 134	8	18
N-Nitrosodi-n-propylamine			6670	4790		ug/Kg		72	45 - 107	2	18
N-Nitrosodiphenylamine			6670	4360		ug/Kg		65	52 - 100	10	20
2,2'-oxybis[1-chloropropane]			6670	4430		ug/Kg		66	30 - 113	2	17
Pentachlorophenol			13300	8560		ug/Kg		64	42 - 110	6	20
Phenanthrene			6670	4200		ug/Kg		63	53 - 100	9	20
Phenol			6670	4390		ug/Kg		66	49 - 100	2	16
Pyrene			6670	4510		ug/Kg		68	52 - 100	9	20
1,2,4,5-Tetrachlorobenzene			6670	4600		ug/Kg		69	41 - 104	5	21
2,3,4,6-Tetrachlorophenol			6670	4460		ug/Kg		67	47 - 104	10	18
2,4,5-Trichlorophenol			6670	4720		ug/Kg		71	50 - 104	6	21
2,4,6-Trichlorophenol			6670	4690		ug/Kg		70	50 - 105	10	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*44 - 105*
2-Fluorophenol (Surr)	*68*		*48 - 105*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*
Phenol-d5 (Surr)	*68*		*46 - 105*
Terphenyl-d14 (Surr)	*68*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*83*		*34 - 108*

Lab Sample ID: MB 180-431167/1-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Acenaphthylene	ND		67	15	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Acetophenone	ND		670	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Anthracene	ND		67	17	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Atrazine	ND		670	150	ug/Kg		04/03/23 16:38	04/04/23 10:48	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431167/1-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		670	41	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Caprolactam	ND		1700	220	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Carbazole	ND		67	16	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4-Chloroaniline	ND		330	88	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2-Chlorophenol	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Chrysene	ND		67	37	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Dibenzofuran	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Diethyl phthalate	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
1,4-Dioxane	ND		670	100	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Fluoranthene	ND		67	18	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Fluorene	ND		67	13	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Hexachloroethane	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Isophorone	ND		330	130	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2-Methylphenol	ND		330	96	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Naphthalene	ND		67	13	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
3-Nitroaniline	ND		1700	85	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431167/1-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		670	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2-Nitrophenol	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Phenanthrene	ND		67	18	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Phenol	ND		330	100	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
Pyrene	ND		67	16	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/03/23 16:38	04/04/23 10:48	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/03/23 16:38	04/04/23 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*04/03/23 16:38*	*04/04/23 10:48*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*04/03/23 16:38*	*04/04/23 10:48*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*04/03/23 16:38*	*04/04/23 10:48*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*04/03/23 16:38*	*04/04/23 10:48*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*04/03/23 16:38*	*04/04/23 10:48*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*04/03/23 16:38*	*04/04/23 10:48*	*1*

Lab Sample ID: LCS 180-431167/2-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	5020		ug/Kg		75	50 - 100
Acenaphthylene	6670	5100		ug/Kg		77	52 - 100
Acetophenone	6670	4990		ug/Kg		75	48 - 100
Anthracene	6670	5230		ug/Kg		78	53 - 100
Atrazine	6670	4680		ug/Kg		70	49 - 103
Benzaldehyde	6670	5930		ug/Kg		89	23 - 105
Benzo[a]anthracene	6670	5060		ug/Kg		76	51 - 100
Benzo[a]pyrene	6670	5100		ug/Kg		77	51 - 100
Benzo[b]fluoranthene	6670	4740		ug/Kg		71	48 - 100
Benzo[g,h,i]perylene	6670	5180		ug/Kg		78	48 - 105
Benzo[k]fluoranthene	6670	4690		ug/Kg		70	19 - 100
1,1'-Biphenyl	6670	4880		ug/Kg		73	50 - 100
Bis(2-chloroethoxy)methane	6670	4730		ug/Kg		71	49 - 100
Bis(2-chloroethyl)ether	6670	4960		ug/Kg		74	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6260		ug/Kg		94	53 - 107
4-Bromophenyl phenyl ether	6670	4690		ug/Kg		70	52 - 101
Butyl benzyl phthalate	6670	6130		ug/Kg		92	52 - 107
Caprolactam	6670	5570		ug/Kg		84	48 - 111
Carbazole	6670	5160		ug/Kg		77	53 - 100
4-Chloroaniline	6670	4890		ug/Kg		73	47 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-431167/2-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloro-3-methylphenol	6670	5430		ug/Kg		81	49 - 106
2-Chloronaphthalene	6670	4690		ug/Kg		70	51 - 100
2-Chlorophenol	6670	5080		ug/Kg		76	51 - 100
4-Chlorophenyl phenyl ether	6670	4760		ug/Kg		71	52 - 100
Chrysene	6670	4580		ug/Kg		69	50 - 100
Dibenz(a,h)anthracene	6670	5440		ug/Kg		82	50 - 107
Dibenzofuran	6670	4840		ug/Kg		73	52 - 100
3,3'-Dichlorobenzidine	6670	4720		ug/Kg		71	43 - 100
2,4-Dichlorophenol	6670	4660		ug/Kg		70	53 - 101
Diethyl phthalate	6670	4960		ug/Kg		74	48 - 104
2,4-Dimethylphenol	6670	5680		ug/Kg		85	51 - 101
Dimethyl phthalate	6670	4930		ug/Kg		74	53 - 100
Di-n-butyl phthalate	6670	5590		ug/Kg		84	57 - 102
4,6-Dinitro-2-methylphenol	13300	9100		ug/Kg		68	51 - 100
2,4-Dinitrophenol	13300	7550		ug/Kg		57	33 - 101
2,4-Dinitrotoluene	6670	5440		ug/Kg		82	54 - 104
2,6-Dinitrotoluene	6670	5200		ug/Kg		78	51 - 106
Di-n-octyl phthalate	6670	6930		ug/Kg		104	41 - 106
1,4-Dioxane	6670	7300		ug/Kg		110	25 - 125
Fluoranthene	6670	5140		ug/Kg		77	55 - 100
Fluorene	6670	4910		ug/Kg		74	52 - 100
Hexachlorobenzene	6670	4020		ug/Kg		60	49 - 100
Hexachlorobutadiene	6670	4660		ug/Kg		70	38 - 107
Hexachlorocyclopentadiene	6670	4090		ug/Kg		61	33 - 117
Hexachloroethane	6670	5290		ug/Kg		79	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5600		ug/Kg		84	51 - 103
Isophorone	6670	5910		ug/Kg		89	48 - 105
2-Methylnaphthalene	6670	5150		ug/Kg		77	53 - 100
2-Methylphenol	6670	4960		ug/Kg		74	50 - 101
Methylphenol, 3 & 4	6670	4960		ug/Kg		74	50 - 103
Naphthalene	6670	4820		ug/Kg		72	51 - 100
2-Nitroaniline	6670	7310		ug/Kg		110	42 - 123
3-Nitroaniline	6670	5270		ug/Kg		79	50 - 103
4-Nitroaniline	6670	5310		ug/Kg		80	52 - 103
Nitrobenzene	6670	6180		ug/Kg		93	44 - 108
2-Nitrophenol	6670	5340		ug/Kg		80	55 - 107
4-Nitrophenol	13300	13000		ug/Kg		97	30 - 134
N-Nitrosodi-n-propylamine	6670	6120		ug/Kg		92	45 - 107
N-Nitrosodiphenylamine	6670	4930		ug/Kg		74	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4670		ug/Kg		70	30 - 113
Pentachlorophenol	13300	7470		ug/Kg		56	42 - 110
Phenanthrene	6670	4800		ug/Kg		72	53 - 100
Phenol	6670	5020		ug/Kg		75	49 - 100
Pyrene	6670	4970		ug/Kg		75	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4590		ug/Kg		69	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4640		ug/Kg		70	47 - 104
2,4,5-Trichlorophenol	6670	4690		ug/Kg		70	50 - 104
2,4,6-Trichlorophenol	6670	4990		ug/Kg		75	50 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-431167/2-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431167

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*85*		*48 - 105*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*
Phenol-d5 (Surr)	*75*		*46 - 105*
Terphenyl-d14 (Surr)	*71*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7130	5550		ug/Kg	☼	78	50 - 100
Acenaphthylene	ND		7130	5460		ug/Kg	☼	77	52 - 100
Acetophenone	ND		7130	5590		ug/Kg	☼	78	48 - 100
Anthracene	ND		7130	5780		ug/Kg	☼	81	53 - 100
Atrazine	ND		7130	5460		ug/Kg	☼	77	49 - 103
Benzaldehyde	ND		7130	6910		ug/Kg	☼	97	23 - 105
Benzo[a]anthracene	ND		7130	5690		ug/Kg	☼	80	51 - 100
Benzo[a]pyrene	ND		7130	5690		ug/Kg	☼	80	51 - 100
Benzo[b]fluoranthene	ND		7130	5160		ug/Kg	☼	72	48 - 100
Benzo[g,h,i]perylene	ND		7130	5510		ug/Kg	☼	77	48 - 105
Benzo[k]fluoranthene	ND		7130	5390		ug/Kg	☼	76	19 - 100
1,1'-Biphenyl	ND		7130	5290		ug/Kg	☼	74	50 - 100
Bis(2-chloroethoxy)methane	ND		7130	5120		ug/Kg	☼	72	49 - 100
Bis(2-chloroethyl)ether	ND		7130	5260		ug/Kg	☼	74	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7130	7250		ug/Kg	☼	102	53 - 107
4-Bromophenyl phenyl ether	ND		7130	5240		ug/Kg	☼	74	52 - 101
Butyl benzyl phthalate	ND		7130	7050		ug/Kg	☼	99	52 - 107
Caprolactam	ND		7130	5210		ug/Kg	☼	73	48 - 111
Carbazole	ND		7130	5790		ug/Kg	☼	81	53 - 100
4-Chloroaniline	ND		7130	4500		ug/Kg	☼	63	47 - 100
4-Chloro-3-methylphenol	ND		7130	5960		ug/Kg	☼	84	49 - 106
2-Chloronaphthalene	ND		7130	5070		ug/Kg	☼	71	51 - 100
2-Chlorophenol	ND		7130	5380		ug/Kg	☼	75	51 - 100
4-Chlorophenyl phenyl ether	ND		7130	5110		ug/Kg	☼	72	52 - 100
Chrysene	ND		7130	5150		ug/Kg	☼	72	50 - 100
Dibenz(a,h)anthracene	ND		7130	5590		ug/Kg	☼	78	50 - 107
Dibenzofuran	ND		7130	5200		ug/Kg	☼	73	52 - 100
3,3'-Dichlorobenzidine	ND		7130	4740		ug/Kg	☼	67	43 - 100
2,4-Dichlorophenol	ND		7130	4960		ug/Kg	☼	70	53 - 101
Diethyl phthalate	ND		7130	5560		ug/Kg	☼	78	48 - 104
2,4-Dimethylphenol	ND		7130	6000		ug/Kg	☼	84	51 - 101
Dimethyl phthalate	ND		7130	5330		ug/Kg	☼	75	53 - 100
Di-n-butyl phthalate	ND		7130	6290		ug/Kg	☼	88	57 - 102
4,6-Dinitro-2-methylphenol	ND		14300	7410		ug/Kg	☼	52	51 - 100
2,4-Dinitrophenol	ND	F1	14300	2790	J F1	ug/Kg	☼	20	33 - 101
2,4-Dinitrotoluene	ND		7130	5600		ug/Kg	☼	79	54 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	ND		7130	5480		ug/Kg	☼	77	51 - 106
Di-n-octyl phthalate	ND	F1	7130	7840	F1	ug/Kg	☼	110	41 - 106
1,4-Dioxane	ND		7130	4910		ug/Kg	☼	69	25 - 125
Fluoranthene	ND		7130	5710		ug/Kg	☼	80	55 - 100
Fluorene	ND		7130	5320		ug/Kg	☼	75	52 - 100
Hexachlorobenzene	ND		7130	4690		ug/Kg	☼	66	49 - 100
Hexachlorobutadiene	ND		7130	4990		ug/Kg	☼	70	38 - 107
Hexachlorocyclopentadiene	ND		7130	4240		ug/Kg	☼	59	33 - 117
Hexachloroethane	ND		7130	5610		ug/Kg	☼	79	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7130	5990		ug/Kg	☼	84	51 - 103
Isophorone	ND		7130	6440		ug/Kg	☼	90	48 - 105
2-Methylnaphthalene	ND		7130	5750		ug/Kg	☼	81	53 - 100
2-Methylphenol	ND		7130	5440		ug/Kg	☼	76	50 - 101
Methylphenol, 3 & 4	ND		7130	5310		ug/Kg	☼	74	50 - 103
Naphthalene	ND		7130	5130		ug/Kg	☼	72	51 - 100
2-Nitroaniline	ND		7130	8050		ug/Kg	☼	113	42 - 123
3-Nitroaniline	ND		7130	5030		ug/Kg	☼	70	50 - 103
4-Nitroaniline	ND		7130	5230		ug/Kg	☼	73	52 - 103
Nitrobenzene	ND		7130	6690		ug/Kg	☼	94	44 - 108
2-Nitrophenol	ND		7130	5640		ug/Kg	☼	79	55 - 107
4-Nitrophenol	ND		14300	13000		ug/Kg	☼	91	30 - 134
N-Nitrosodi-n-propylamine	ND		7130	6520		ug/Kg	☼	91	45 - 107
N-Nitrosodiphenylamine	ND		7130	5630		ug/Kg	☼	79	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7130	4980		ug/Kg	☼	70	30 - 113
Pentachlorophenol	ND	F1	14300	5570	F1	ug/Kg	☼	39	42 - 110
Phenanthrene	ND		7130	5440		ug/Kg	☼	76	53 - 100
Phenol	ND		7130	5490		ug/Kg	☼	77	49 - 100
Pyrene	ND		7130	5690		ug/Kg	☼	80	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7130	5070		ug/Kg	☼	71	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7130	4390		ug/Kg	☼	61	47 - 104
2,4,5-Trichlorophenol	ND		7130	4840		ug/Kg	☼	68	50 - 104
2,4,6-Trichlorophenol	ND		7130	5100		ug/Kg	☼	72	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*44 - 105*
2-Fluorophenol (Surr)	*86*		*48 - 105*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*
Phenol-d5 (Surr)	*77*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7130	5850		ug/Kg	☼	82	50 - 100	5	20
Acenaphthylene	ND		7130	5930		ug/Kg	☼	83	52 - 100	8	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetophenone	ND		7130	5410		ug/Kg	☼	76	48 - 100	3	17
Anthracene	ND		7130	5980		ug/Kg	☼	84	53 - 100	3	20
Atrazine	ND		7130	5560		ug/Kg	☼	78	49 - 103	2	19
Benzaldehyde	ND		7130	7220		ug/Kg	☼	101	23 - 105	4	31
Benzo[a]anthracene	ND		7130	5760		ug/Kg	☼	81	51 - 100	1	21
Benzo[a]pyrene	ND		7130	5690		ug/Kg	☼	80	51 - 100	0	20
Benzo[b]fluoranthene	ND		7130	5150		ug/Kg	☼	72	48 - 100	0	20
Benzo[g,h,i]perylene	ND		7130	5590		ug/Kg	☼	78	48 - 105	2	19
Benzo[k]fluoranthene	ND		7130	5430		ug/Kg	☼	76	19 - 100	1	20
1,1'-Biphenyl	ND		7130	5610		ug/Kg	☼	79	50 - 100	6	19
Bis(2-chloroethoxy)methane	ND		7130	5400		ug/Kg	☼	76	49 - 100	5	20
Bis(2-chloroethyl)ether	ND		7130	5280		ug/Kg	☼	74	48 - 100	0	18
Bis(2-ethylhexyl) phthalate	ND		7130	7260		ug/Kg	☼	102	53 - 107	0	20
4-Bromophenyl phenyl ether	ND		7130	5330		ug/Kg	☼	75	52 - 101	2	20
Butyl benzyl phthalate	ND		7130	7260		ug/Kg	☼	102	52 - 107	3	19
Caprolactam	ND		7130	5570		ug/Kg	☼	78	48 - 111	7	23
Carbazole	ND		7130	5830		ug/Kg	☼	82	53 - 100	1	20
4-Chloroaniline	ND		7130	4810		ug/Kg	☼	67	47 - 100	7	20
4-Chloro-3-methylphenol	ND		7130	6390		ug/Kg	☼	90	49 - 106	7	20
2-Chloronaphthalene	ND		7130	5420		ug/Kg	☼	76	51 - 100	7	20
2-Chlorophenol	ND		7130	5310		ug/Kg	☼	74	51 - 100	1	17
4-Chlorophenyl phenyl ether	ND		7130	5460		ug/Kg	☼	77	52 - 100	7	19
Chrysene	ND		7130	5350		ug/Kg	☼	75	50 - 100	4	20
Dibenz(a,h)anthracene	ND		7130	5860		ug/Kg	☼	82	50 - 107	5	21
Dibenzofuran	ND		7130	5590		ug/Kg	☼	78	52 - 100	7	19
3,3'-Dichlorobenzidine	ND		7130	4850		ug/Kg	☼	68	43 - 100	2	19
2,4-Dichlorophenol	ND		7130	5380		ug/Kg	☼	75	53 - 101	8	22
Diethyl phthalate	ND		7130	5760		ug/Kg	☼	81	48 - 104	4	20
2,4-Dimethylphenol	ND		7130	6110		ug/Kg	☼	86	51 - 101	2	32
Dimethyl phthalate	ND		7130	5770		ug/Kg	☼	81	53 - 100	8	21
Di-n-butyl phthalate	ND		7130	6500		ug/Kg	☼	91	57 - 102	3	20
4,6-Dinitro-2-methylphenol	ND		14300	7760		ug/Kg	☼	54	51 - 100	5	22
2,4-Dinitrophenol	ND	F1	14300	2670	J F1	ug/Kg	☼	19	33 - 101	4	20
2,4-Dinitrotoluene	ND		7130	6110		ug/Kg	☼	86	54 - 104	9	20
2,6-Dinitrotoluene	ND		7130	6030		ug/Kg	☼	85	51 - 106	10	20
Di-n-octyl phthalate	ND	F1	7130	7910	F1	ug/Kg	☼	111	41 - 106	1	18
1,4-Dioxane	ND		7130	4710		ug/Kg	☼	66	25 - 125	4	17
Fluoranthene	ND		7130	5880		ug/Kg	☼	82	55 - 100	3	20
Fluorene	ND		7130	5630		ug/Kg	☼	79	52 - 100	6	19
Hexachlorobenzene	ND		7130	4890		ug/Kg	☼	69	49 - 100	4	20
Hexachlorobutadiene	ND		7130	5250		ug/Kg	☼	74	38 - 107	5	22
Hexachlorocyclopentadiene	ND		7130	4600		ug/Kg	☼	64	33 - 117	8	19
Hexachloroethane	ND		7130	5640		ug/Kg	☼	79	47 - 100	1	17
Indeno[1,2,3-cd]pyrene	ND		7130	6100		ug/Kg	☼	86	51 - 103	2	19
Isophorone	ND		7130	6850		ug/Kg	☼	96	48 - 105	6	20
2-Methylnaphthalene	ND		7130	6120		ug/Kg	☼	86	53 - 100	6	21
2-Methylphenol	ND		7130	5420		ug/Kg	☼	76	50 - 101	0	17
Methylphenol, 3 & 4	ND		7130	5280		ug/Kg	☼	74	50 - 103	0	19
Naphthalene	ND		7130	5560		ug/Kg	☼	78	51 - 100	8	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154242-22 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B20
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431210
Prep Batch: 431167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Nitroaniline	ND		7130	8550		ug/Kg	☼	120	42 - 123	6	19
3-Nitroaniline	ND		7130	5410		ug/Kg	☼	76	50 - 103	7	20
4-Nitroaniline	ND		7130	5440		ug/Kg	☼	76	52 - 103	4	18
Nitrobenzene	ND		7130	7030		ug/Kg	☼	99	44 - 108	5	21
2-Nitrophenol	ND		7130	5930		ug/Kg	☼	83	55 - 107	5	19
4-Nitrophenol	ND		14300	13600		ug/Kg	☼	96	30 - 134	5	18
N-Nitrosodi-n-propylamine	ND		7130	6480		ug/Kg	☼	91	45 - 107	1	18
N-Nitrosodiphenylamine	ND		7130	5730		ug/Kg	☼	80	52 - 100	2	20
2,2'-oxybis[1-chloropropane]	ND		7130	5090		ug/Kg	☼	71	30 - 113	2	17
Pentachlorophenol	ND	F1	14300	5750	F1	ug/Kg	☼	40	42 - 110	3	20
Phenanthrene	ND		7130	5530		ug/Kg	☼	78	53 - 100	2	20
Phenol	ND		7130	5390		ug/Kg	☼	76	49 - 100	2	16
Pyrene	ND		7130	5800		ug/Kg	☼	81	52 - 100	2	20
1,2,4,5-Tetrachlorobenzene	ND		7130	5390		ug/Kg	☼	76	41 - 104	6	21
2,3,4,6-Tetrachlorophenol	ND		7130	4660		ug/Kg	☼	65	47 - 104	6	18
2,4,5-Trichlorophenol	ND		7130	5170		ug/Kg	☼	72	50 - 104	7	21
2,4,6-Trichlorophenol	ND		7130	5370		ug/Kg	☼	75	50 - 105	5	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*44 - 105*
2-Fluorophenol (Surr)	*84*		*48 - 105*
Nitrobenzene-d5 (Surr)	*101*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*77*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-430877/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431205
Prep Batch: 430877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1221	ND		17	5.9	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1232	ND		17	4.1	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1242	ND		17	2.4	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1248	ND		17	4.0	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1254	ND		17	5.0	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1260	ND		17	4.7	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1262	ND		17	5.9	ug/Kg		03/30/23 16:41	04/04/23 09:42	1
PCB-1268	ND		17	2.2	ug/Kg		03/30/23 16:41	04/04/23 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*03/30/23 16:41*	*04/04/23 09:42*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*03/30/23 16:41*	*04/04/23 09:42*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*03/30/23 16:41*	*04/04/23 09:42*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*03/30/23 16:41*	*04/04/23 09:42*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-430877/2-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430877

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1250		ug/Kg		94	43 - 136		
PCB-1260			1330	1360		ug/Kg		102	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*

Lab Sample ID: 180-154242-1 MS
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: SSHS-IRM5A2-MSA-B1
Prep Type: Total/NA
Prep Batch: 430877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1400	1130		ug/Kg	☼	81	43 - 136		
PCB-1260	ND		1400	1430		ug/Kg	☼	102	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*

Lab Sample ID: 180-154242-1 MSD
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: SSHS-IRM5A2-MSA-B1
Prep Type: Total/NA
Prep Batch: 430877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1380	1430		ug/Kg	☼	103	43 - 136	23	40
PCB-1260	ND		1380	1480		ug/Kg	☼	107	55 - 128	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*

Lab Sample ID: MB 180-430878/1-A
Matrix: Solid
Analysis Batch: 431008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1221	ND		17	5.9	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1232	ND		17	4.1	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1242	ND		17	2.4	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1248	ND		17	4.0	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1254	ND		17	5.0	ug/Kg		03/30/23 17:04	04/01/23 08:04	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-430878/1-A
Matrix: Solid
Analysis Batch: 431008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		17	4.7	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1262	ND		17	5.9	ug/Kg		03/30/23 17:04	04/01/23 08:04	1
PCB-1268	ND		17	2.2	ug/Kg		03/30/23 17:04	04/01/23 08:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*03/30/23 17:04*	*04/01/23 08:04*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*03/30/23 17:04*	*04/01/23 08:04*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*03/30/23 17:04*	*04/01/23 08:04*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*03/30/23 17:04*	*04/01/23 08:04*	*1*

Lab Sample ID: LCS 180-430878/2-A
Matrix: Solid
Analysis Batch: 431008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1040		ug/Kg		78	43 - 136
PCB-1260	1330	1110		ug/Kg		83	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431008

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 430878

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1440	1850		ug/Kg	☼	129	43 - 136
PCB-1260	ND		1440	1440		ug/Kg	☼	100	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 431008

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 430878

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1430	1730		ug/Kg	☼	121	43 - 136	7	40
PCB-1260	ND		1430	1380		ug/Kg	☼	97	55 - 128	4	32

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 431008

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 430878

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-431119/1-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Antimony	ND		1.0	0.30	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Arsenic	ND		1.0	0.63	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Barium	ND		20	3.6	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Beryllium	ND		0.40	0.11	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Cadmium	ND		0.50	0.073	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Calcium	ND		500	65	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Chromium	ND		0.50	0.46	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Cobalt	ND		5.0	0.70	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Copper	ND		2.5	1.5	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Lead	ND		1.0	0.87	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Magnesium	ND		500	55	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Manganese	0.349	J	1.5	0.28	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Nickel	ND		4.0	0.50	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Potassium	ND		500	85	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Selenium	ND		1.0	0.46	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Silver	ND		0.50	0.10	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Sodium	ND		500	51	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Thallium	ND		2.0	0.28	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Vanadium	ND		5.0	0.79	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Zinc	1.90	J	2.0	1.5	mg/Kg		04/03/23 11:11	04/17/23 13:25	1

Lab Sample ID: LCS 180-431119/2-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	543		mg/Kg		109	80 - 120
Antimony	25.0	26.9		mg/Kg		108	80 - 120
Arsenic	100	112		mg/Kg		112	80 - 120
Barium	100	104		mg/Kg		104	80 - 120
Beryllium	50.0	52.3		mg/Kg		105	80 - 120
Cadmium	50.0	53.7		mg/Kg		107	80 - 120
Calcium	2500	2710		mg/Kg		108	80 - 120
Chromium	50.0	53.4		mg/Kg		107	80 - 120
Cobalt	50.0	53.4		mg/Kg		107	80 - 120
Copper	50.0	52.3		mg/Kg		105	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431119/2-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	50.0	53.1		mg/Kg		106	80 - 120
Magnesium	2500	2730		mg/Kg		109	80 - 120
Manganese	50.0	51.5		mg/Kg		103	80 - 120
Nickel	50.0	53.0		mg/Kg		106	80 - 120
Potassium	2500	2670		mg/Kg		107	80 - 120
Selenium	100	106		mg/Kg		106	80 - 120
Silver	25.0	26.1		mg/Kg		104	80 - 120
Sodium	2500	2740		mg/Kg		110	80 - 120
Thallium	100	105		mg/Kg		105	80 - 120
Vanadium	50.0	53.7		mg/Kg		107	80 - 120
Zinc	25.0	28.3		mg/Kg		113	80 - 120

Lab Sample ID: MB 180-431235/1-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Antimony	ND		1.0	0.30	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Arsenic	ND		1.0	0.63	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Barium	ND		20	3.6	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Beryllium	ND		0.40	0.11	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Cadmium	ND		0.50	0.073	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Calcium	ND		500	65	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Chromium	ND		0.50	0.46	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Cobalt	ND		5.0	0.70	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Copper	ND		2.5	1.5	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Iron	34.3		10	9.7	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Lead	ND		1.0	0.87	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Magnesium	ND		500	55	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Manganese	ND		1.5	0.28	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Nickel	ND		4.0	0.50	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Potassium	147	J	500	85	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Selenium	ND		1.0	0.46	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Silver	ND		0.50	0.10	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Sodium	ND		500	51	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Thallium	ND		2.0	0.28	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Vanadium	ND		5.0	0.79	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Zinc	ND		2.0	1.5	mg/Kg		04/04/23 09:10	04/06/23 17:20	1

Lab Sample ID: LCS 180-431235/2-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	508		mg/Kg		102	80 - 120
Antimony	25.0	26.1		mg/Kg		105	80 - 120
Arsenic	100	104		mg/Kg		104	80 - 120
Barium	100	99.7		mg/Kg		100	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431235/2-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	49.4		mg/Kg		99	80 - 120
Cadmium	50.0	49.7		mg/Kg		99	80 - 120
Calcium	2500	2530		mg/Kg		101	80 - 120
Chromium	50.0	50.9		mg/Kg		102	80 - 120
Cobalt	50.0	48.4		mg/Kg		97	80 - 120
Copper	50.0	50.4		mg/Kg		101	80 - 120
Iron	500	499		mg/Kg		100	80 - 120
Lead	50.0	50.4		mg/Kg		101	80 - 120
Magnesium	2500	2540		mg/Kg		102	80 - 120
Manganese	50.0	48.3		mg/Kg		97	80 - 120
Nickel	50.0	50.2		mg/Kg		100	80 - 120
Potassium	2500	2590		mg/Kg		104	80 - 120
Selenium	100	102		mg/Kg		102	80 - 120
Silver	25.0	24.8		mg/Kg		99	80 - 120
Sodium	2500	2600		mg/Kg		104	80 - 120
Thallium	100	99.6		mg/Kg		100	80 - 120
Vanadium	50.0	52.4		mg/Kg		105	80 - 120
Zinc	25.0	26.0		mg/Kg		104	80 - 120

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 431235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9500		286	9140	4	mg/Kg	☼	-109	75 - 125
Antimony	ND	F1 F2	14.3	4.73	F1	mg/Kg	☼	33	75 - 125
Arsenic	8.8	F2	57.3	58.8		mg/Kg	☼	87	75 - 125
Barium	75	F2	57.3	127		mg/Kg	☼	91	75 - 125
Beryllium	0.38	F2	28.6	23.6		mg/Kg	☼	81	75 - 125
Cadmium	0.51	F2	28.6	23.3		mg/Kg	☼	79	75 - 125
Calcium	2900	F1 F2	1430	3380	F1	mg/Kg	☼	33	75 - 125
Chromium	12	F2	28.6	34.8		mg/Kg	☼	80	75 - 125
Cobalt	9.8	F2	28.6	36.2		mg/Kg	☼	92	75 - 125
Copper	21	F2	28.6	45.0		mg/Kg	☼	84	75 - 125
Iron	22000	*+	286	20700	4	mg/Kg	☼	-592	75 - 125
Lead	13	F2	28.6	40.5		mg/Kg	☼	95	75 - 125
Magnesium	3100	F1 F2	1430	4070	F1	mg/Kg	☼	67	75 - 125
Manganese	430	B	28.6	556	4	mg/Kg	☼	443	75 - 125
Nickel	22	F2	28.6	47.2		mg/Kg	☼	90	75 - 125
Potassium	730	F1 F2	1430	1500	F1	mg/Kg	☼	54	75 - 125
Selenium	ND	F2	57.3	48.8		mg/Kg	☼	85	75 - 125
Silver	ND	F2	14.3	12.7		mg/Kg	☼	89	75 - 125
Sodium	38	J F2	1430	1280		mg/Kg	☼	87	75 - 125
Thallium	0.26	J F2	57.3	53.7		mg/Kg	☼	93	75 - 125
Vanadium	14	F2	28.6	38.7		mg/Kg	☼	88	75 - 125
Zinc	51	F1 F2 B	14.3	60.9	F1	mg/Kg	☼	72	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-154242-22 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B20
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431651
Prep Batch: 431235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9500		472	10900	4	mg/Kg	☼	301	75 - 125	17	20
Antimony	ND	F1 F2	23.6	10.4	F1 F2	mg/Kg	☼	44	75 - 125	75	20
Arsenic	8.8	F2	94.5	94.0	F2	mg/Kg	☼	90	75 - 125	46	20
Barium	75	F2	94.5	165	F2	mg/Kg	☼	96	75 - 125	26	20
Beryllium	0.38	F2	47.2	39.3	F2	mg/Kg	☼	82	75 - 125	50	20
Cadmium	0.51	F2	47.2	38.1	F2	mg/Kg	☼	80	75 - 125	48	20
Calcium	2900	F1 F2	2360	7030	F1 F2	mg/Kg	☼	175	75 - 125	70	20
Chromium	12	F2	47.2	52.7	F2	mg/Kg	☼	86	75 - 125	41	20
Cobalt	9.8	F2	47.2	52.5	F2	mg/Kg	☼	91	75 - 125	37	20
Copper	21	F2	47.2	65.6	F2	mg/Kg	☼	94	75 - 125	37	20
Iron	22000	*+	472	25100	4	mg/Kg	☼	582	75 - 125	19	20
Lead	13	F2	47.2	62.2	F2	mg/Kg	☼	104	75 - 125	42	20
Magnesium	3100	F1 F2	2360	5360	F2	mg/Kg	☼	95	75 - 125	27	20
Manganese	430	B	47.2	469	4	mg/Kg	☼	84	75 - 125	17	20
Nickel	22	F2	47.2	65.0	F2	mg/Kg	☼	92	75 - 125	32	20
Potassium	730	F1 F2	2360	2460	F1 F2	mg/Kg	☼	73	75 - 125	49	20
Selenium	ND	F2	94.5	78.2	F2	mg/Kg	☼	83	75 - 125	46	20
Silver	ND	F2	23.6	20.2	F2	mg/Kg	☼	85	75 - 125	45	20
Sodium	38	J F2	2360	2100	F2	mg/Kg	☼	87	75 - 125	48	20
Thallium	0.26	J F2	94.5	83.7	F2	mg/Kg	☼	88	75 - 125	44	20
Vanadium	14	F2	47.2	56.0	F2	mg/Kg	☼	90	75 - 125	36	20
Zinc	51	F1 F2 B	23.6	77.5	F2	mg/Kg	☼	114	75 - 125	24	20

Lab Sample ID: MB 180-431434/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432842
Prep Batch: 431434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Antimony	ND		1.0	0.30	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Arsenic	ND		1.0	0.63	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Barium	ND		20	3.6	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Beryllium	ND		0.40	0.11	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Cadmium	ND		0.50	0.073	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Calcium	ND		500	65	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Chromium	ND		0.50	0.46	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Cobalt	ND		5.0	0.70	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Copper	ND		2.5	1.5	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Iron	15.4		10	9.7	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Lead	ND		1.0	0.87	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Magnesium	ND		500	55	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Manganese	ND		1.5	0.28	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Nickel	ND		4.0	0.50	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Potassium	ND		500	85	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Selenium	ND		1.0	0.46	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Silver	ND		0.50	0.10	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Sodium	ND		500	51	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Thallium	ND		2.0	0.28	mg/Kg		04/05/23 11:59	04/19/23 08:36	1
Vanadium	ND		5.0	0.79	mg/Kg		04/05/23 11:59	04/19/23 08:36	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-431434/1-A
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	1.65	J	2.0	1.5	mg/Kg		04/05/23 11:59	04/19/23 08:36	1

Lab Sample ID: LCS 180-431434/2-A
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	514		mg/Kg		103	80 - 120
Antimony	25.0	25.0		mg/Kg		100	80 - 120
Arsenic	100	103		mg/Kg		103	80 - 120
Barium	100	100		mg/Kg		100	80 - 120
Beryllium	50.0	49.6		mg/Kg		99	80 - 120
Cadmium	50.0	49.5		mg/Kg		99	80 - 120
Calcium	2500	2620		mg/Kg		105	80 - 120
Chromium	50.0	51.6		mg/Kg		103	80 - 120
Cobalt	50.0	49.2		mg/Kg		98	80 - 120
Copper	50.0	49.9		mg/Kg		100	80 - 120
Iron	500	534		mg/Kg		107	80 - 120
Lead	50.0	49.3		mg/Kg		99	80 - 120
Magnesium	2500	2550		mg/Kg		102	80 - 120
Manganese	50.0	49.7		mg/Kg		99	80 - 120
Nickel	50.0	49.7		mg/Kg		99	80 - 120
Potassium	2500	2420		mg/Kg		97	80 - 120
Selenium	100	98.5		mg/Kg		99	80 - 120
Silver	25.0	23.0		mg/Kg		92	80 - 120
Sodium	2500	2660		mg/Kg		106	80 - 120
Thallium	100	94.6		mg/Kg		95	80 - 120
Vanadium	50.0	52.2		mg/Kg		104	80 - 120
Zinc	25.0	26.6		mg/Kg		106	80 - 120

Lab Sample ID: 180-154242-5 MS
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: SSHS-IRM5A2-MSA-B5
Prep Type: Total/NA
Prep Batch: 431434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	8600	F2	389	11500	4	mg/Kg	☼	743	75 - 125
Antimony	ND	F2 F1	19.5	1.74	F1	mg/Kg	☼	9	75 - 125
Arsenic	7.8		77.9	72.3		mg/Kg	☼	83	75 - 125
Barium	64	F2	77.9	156		mg/Kg	☼	118	75 - 125
Beryllium	0.32	F2 F1	38.9	29.3	F1	mg/Kg	☼	74	75 - 125
Cadmium	0.49	F2 F1	38.9	29.1	F1	mg/Kg	☼	74	75 - 125
Calcium	3300	F2 F1	1950	6440	F1	mg/Kg	☼	160	75 - 125
Chromium	11	F2 F1	38.9	43.6		mg/Kg	☼	84	75 - 125
Cobalt	8.0	F2	38.9	44.9		mg/Kg	☼	95	75 - 125
Copper	17	F1	38.9	48.8		mg/Kg	☼	81	75 - 125
Iron	19000	B	389	25500	4	mg/Kg	☼	1561	75 - 125
Lead	9.5	F2 F1	38.9	48.3		mg/Kg	☼	100	75 - 125
Magnesium	2800	F2 F1	1950	4900		mg/Kg	☼	108	75 - 125
Manganese	350	F2	38.9	649	4	mg/Kg	☼	762	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-154242-5 MS
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: SSHS-IRM5A2-MSA-B5
Prep Type: Total/NA
Prep Batch: 431434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	18	F2	38.9	58.3		mg/Kg	☼	104	75 - 125
Potassium	390		1950	1990		mg/Kg	☼	82	75 - 125
Selenium	ND	F2 F1	77.9	57.8	F1	mg/Kg	☼	74	75 - 125
Silver	ND	F2 F1	19.5	1.86	F1	mg/Kg	☼	10	75 - 125
Sodium	ND	F2	1950	1630		mg/Kg	☼	84	75 - 125
Thallium	0.62	J F2	77.9	64.2		mg/Kg	☼	82	75 - 125
Vanadium	12	F2	38.9	47.1		mg/Kg	☼	90	75 - 125
Zinc	45	B F1	19.5	70.7	F1	mg/Kg	☼	134	75 - 125

Lab Sample ID: 180-154242-5 MSD
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: SSHS-IRM5A2-MSA-B5
Prep Type: Total/NA
Prep Batch: 431434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	8600	F2	326	9110	4 F2	mg/Kg	☼	163	75 - 125	23	20
Antimony	ND	F2 F1	16.3	8.73	F2 F1	mg/Kg	☼	54	75 - 125	134	20
Arsenic	7.8		65.2	59.5		mg/Kg	☼	79	75 - 125	19	20
Barium	64	F2	65.2	124	F2	mg/Kg	☼	91	75 - 125	23	20
Beryllium	0.32	F2 F1	32.6	22.6	F2 F1	mg/Kg	☼	68	75 - 125	26	20
Cadmium	0.49	F2 F1	32.6	22.6	F2 F1	mg/Kg	☼	68	75 - 125	25	20
Calcium	3300	F2 F1	1630	3400	F2 F1	mg/Kg	☼	5	75 - 125	62	20
Chromium	11	F2 F1	32.6	34.5	F2 F1	mg/Kg	☼	72	75 - 125	23	20
Cobalt	8.0	F2	32.6	35.2	F2	mg/Kg	☼	83	75 - 125	24	20
Copper	17	F1	32.6	40.9	F1	mg/Kg	☼	72	75 - 125	18	20
Iron	19000	B	326	21300	4	mg/Kg	☼	563	75 - 125	18	20
Lead	9.5	F2 F1	32.6	76.0	F1 F2	mg/Kg	☼	204	75 - 125	45	20
Magnesium	2800	F2 F1	1630	3780	F2 F1	mg/Kg	☼	60	75 - 125	26	20
Manganese	350	F2	32.6	909	4 F2	mg/Kg	☼	1707	75 - 125	33	20
Nickel	18	F2	32.6	45.0	F2	mg/Kg	☼	83	75 - 125	26	20
Potassium	390		1630	1690		mg/Kg	☼	80	75 - 125	17	20
Selenium	ND	F2 F1	65.2	44.4	F2 F1	mg/Kg	☼	68	75 - 125	26	20
Silver	ND	F2 F1	16.3	2.58	F2 F1	mg/Kg	☼	16	75 - 125	32	20
Sodium	ND	F2	1630	1260	F2	mg/Kg	☼	77	75 - 125	25	20
Thallium	0.62	J F2	65.2	49.2	F2	mg/Kg	☼	75	75 - 125	26	20
Vanadium	12	F2	32.6	36.7	F2	mg/Kg	☼	76	75 - 125	25	20
Zinc	45	B F1	16.3	59.2		mg/Kg	☼	89	75 - 125	18	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-432411/1-A
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/17/23 10:10	04/18/23 15:15	1

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-432411/2-A
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432411

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.390		mg/Kg		94	80 - 120		

Lab Sample ID: 180-154242-1 MS
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: SSHS-IRM5A2-MSA-B1
Prep Type: Total/NA
Prep Batch: 432411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.175	0.171		mg/Kg	☼	97	80 - 120		

Lab Sample ID: 180-154242-1 MSD
Matrix: Solid
Analysis Batch: 432682

Client Sample ID: SSHS-IRM5A2-MSA-B1
Prep Type: Total/NA
Prep Batch: 432411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.167	0.161		mg/Kg	☼	96	80 - 120	6	20

Lab Sample ID: MB 180-432413/1-A
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/17/23 10:30	04/19/23 09:22	1

Lab Sample ID: LCS 180-432413/2-A
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432413

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.426		mg/Kg		102	80 - 120		

Lab Sample ID: 180-154242-22 MS
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 432413

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.177	0.183		mg/Kg	☼	104	80 - 120		

Lab Sample ID: 180-154242-22 MSD
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: SSHS-IRM5A2-MSA-B20
Prep Type: Total/NA
Prep Batch: 432413

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.163	0.173		mg/Kg	☼	106	80 - 120	6	20

Client: Geosyntec Consultants Inc
Job ID: 180-154242-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 431023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 8260C	431037
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	EPA 8260C	431037
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	EPA 8260C	431037
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	EPA 8260C	431037
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 8260C	431037
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	EPA 8260C	431037
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	EPA 8260C	431037
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	EPA 8260C	431037
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	EPA 8260C	431037
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	EPA 8260C	431037
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	EPA 8260C	431037
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	EPA 8260C	431037
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	EPA 8260C	431037
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	EPA 8260C	431037
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	EPA 8260C	431037
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8260C	431037
MB 180-431023/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431023/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8260C	431037
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8260C	431037

Prep Batch: 431037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	5035	
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	5035	
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	5035	
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	5035	
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	5035	
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	5035	
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	5035	
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	5035	
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	5035	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	5035	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	5035	
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	5035	
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	5035	
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	5035	
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	5035	
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	5035	
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	5035	
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	5035	
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	5035	
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	5035	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	5035	
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	5035	

Analysis Batch: 431091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	EPA 8260C	431151
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	EPA 8260C	431151
MB 180-431091/8	Method Blank	Total/NA	Solid	EPA 8260C	

GC/MS VOA (Continued)

Analysis Batch: 431091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-431091/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-431091/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 431151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	5035	
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	5035	

Analysis Batch: 431228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	EPA 8260C	431037
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	EPA 8260C	431037
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	EPA 8260C	431037
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	EPA 8260C	431037
MB 180-431228/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431228/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-431228/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Prep Batch: 430993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3541	
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	3541	
MB 180-430993/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-430993/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-430993/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 431029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 8270D	430993
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	EPA 8270D	430993
MB 180-430993/1-A	Method Blank	Total/NA	Solid	EPA 8270D	430993
LCS 180-430993/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	430993
LCSD 180-430993/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	430993

Prep Batch: 431167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	3541	
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	3541	
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3541	
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	3541	
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	3541	
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	3541	
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	3541	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	3541	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	3541	
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	3541	
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	3541	
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	3541	
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 431167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	3541	
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	3541	
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	3541	
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	3541	
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	3541	
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	3541	
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3541	
MB 180-431167/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-431167/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3541	
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3541	

Analysis Batch: 431210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	EPA 8270D	431167
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 8270D	431167
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	EPA 8270D	431167
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	EPA 8270D	431167
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	EPA 8270D	431167
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	EPA 8270D	431167
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	EPA 8270D	431167
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	EPA 8270D	431167
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	EPA 8270D	431167
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	EPA 8270D	431167
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	EPA 8270D	431167
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8270D	431167
MB 180-431167/1-A	Method Blank	Total/NA	Solid	EPA 8270D	431167
LCS 180-431167/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	431167
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8270D	431167
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8270D	431167

Analysis Batch: 431382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	EPA 8270D	431167
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	EPA 8270D	431167
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	EPA 8270D	431167
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	EPA 8270D	431167
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	EPA 8270D	431167
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	EPA 8270D	431167
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	EPA 8270D	431167

Analysis Batch: 431563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	EPA 8270D	431167

GC Semi VOA

Prep Batch: 430877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3541	
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 430877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	3541	
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	3541	
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3541	
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	3541	
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	3541	
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	3541	
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	3541	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	3541	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	3541	
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	3541	
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	3541	
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	3541	
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	3541	
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	3541	
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	3541	
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	3541	
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	3541	
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	3541	
MB 180-430877/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-430877/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-154242-1 MS	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3541	
180-154242-1 MSD	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3541	

Prep Batch: 430878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	3541	
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3541	
MB 180-430878/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-430878/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3541	
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3541	

Cleanup Batch: 430892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3665A	430877
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	3665A	430877
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	3665A	430877
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	3665A	430877
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3665A	430877
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	3665A	430877
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	3665A	430877
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	3665A	430877
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	3665A	430877
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	3665A	430877
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	3665A	430877
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	3665A	430877
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	3665A	430877
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	3665A	430877
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	3665A	430877
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	3665A	430877
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	3665A	430877

GC Semi VOA (Continued)

Cleanup Batch: 430892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	3665A	430877
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	3665A	430877
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	3665A	430877
MB 180-430877/1-C	Method Blank	Total/NA	Solid	3665A	430877
LCS 180-430877/2-C	Lab Control Sample	Total/NA	Solid	3665A	430877
180-154242-1 MS	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3665A	430877
180-154242-1 MSD	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3665A	430877

Cleanup Batch: 430893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3660B	430892
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	3660B	430892
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	3660B	430892
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	3660B	430892
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3660B	430892
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	3660B	430892
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	3660B	430892
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	3660B	430892
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	3660B	430892
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	3660B	430892
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	3660B	430892
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	3660B	430892
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	3660B	430892
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	3660B	430892
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	3660B	430892
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	3660B	430892
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	3660B	430892
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	3660B	430892
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	3660B	430892
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	3660B	430892
MB 180-430877/1-C	Method Blank	Total/NA	Solid	3660B	430892
LCS 180-430877/2-C	Lab Control Sample	Total/NA	Solid	3660B	430892
180-154242-1 MS	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3660B	430892
180-154242-1 MSD	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3660B	430892

Cleanup Batch: 430894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	3665A	430878
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3665A	430878
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3665A	430878
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3665A	430878

Cleanup Batch: 430895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	3660B	430894
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3660B	430894
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3660B	430894
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3660B	430894

GC Semi VOA

Analysis Batch: 431008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	EPA 8082A	430895
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8082A	430895
MB 180-430878/1-A	Method Blank	Total/NA	Solid	EPA 8082A	430878
LCS 180-430878/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	430878
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8082A	430895
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 8082A	430895

Analysis Batch: 431205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 8082A	430893
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	EPA 8082A	430893
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	EPA 8082A	430893
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	EPA 8082A	430893
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 8082A	430893
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	EPA 8082A	430893
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	EPA 8082A	430893
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	EPA 8082A	430893
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	EPA 8082A	430893
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	EPA 8082A	430893
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	EPA 8082A	430893
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	EPA 8082A	430893
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	EPA 8082A	430893
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	EPA 8082A	430893
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	EPA 8082A	430893
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	EPA 8082A	430893
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	EPA 8082A	430893
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	EPA 8082A	430893
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	EPA 8082A	430893
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	EPA 8082A	430893
MB 180-430877/1-C	Method Blank	Total/NA	Solid	EPA 8082A	430893
LCS 180-430877/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	430893
180-154242-1 MS	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 8082A	430893
180-154242-1 MSD	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 8082A	430893

Metals

Prep Batch: 431119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3050B	
MB 180-431119/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431119/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 431235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	3050B	
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	3050B	
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	3050B	
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	3050B	
MB 180-431235/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431235/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 431235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3050B	

Prep Batch: 431434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3050B	
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	3050B	
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	3050B	
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	3050B	
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	3050B	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	3050B	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	3050B	
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	3050B	
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	3050B	
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	3050B	
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	3050B	
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	3050B	
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	3050B	
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	3050B	
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	3050B	
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	3050B	
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	3050B	
MB 180-431434/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431434/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154242-5 MS	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3050B	
180-154242-5 MSD	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	3050B	

Analysis Batch: 431651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 6010C	431235
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	EPA 6010C	431235
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	EPA 6010C	431235
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	EPA 6010C	431235
MB 180-431235/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431235
LCS 180-431235/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431235
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 6010C	431235
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 6010C	431235

Prep Batch: 432411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	7471B	
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	7471B	
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	7471B	
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	7471B	
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	7471B	
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	7471B	
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	7471B	
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	7471B	
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	7471B	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	7471B	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	7471B	
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 432411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	7471B	
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	7471B	
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	7471B	
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	7471B	
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	7471B	
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	7471B	
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	7471B	
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	7471B	
MB 180-432411/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432411/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154242-1 MS	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	7471B	
180-154242-1 MSD	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	7471B	

Prep Batch: 432413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	7471B	
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	7471B	
MB 180-432413/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432413/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	7471B	
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	7471B	

Analysis Batch: 432570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 6010C	431119
MB 180-431119/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431119
LCS 180-431119/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431119

Prep Batch: 432624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	3050B	

Analysis Batch: 432682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 7471B	432411
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	EPA 7471B	432411
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	EPA 7471B	432411
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	EPA 7471B	432411
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 7471B	432411
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	EPA 7471B	432411
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	EPA 7471B	432411
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	EPA 7471B	432411
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	EPA 7471B	432411
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	EPA 7471B	432411
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	EPA 7471B	432411
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	EPA 7471B	432411
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	EPA 7471B	432411
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	EPA 7471B	432411
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	EPA 7471B	432411
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	EPA 7471B	432411
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	EPA 7471B	432411

Metals (Continued)

Analysis Batch: 432682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	EPA 7471B	432411
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	EPA 7471B	432411
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	EPA 7471B	432411
MB 180-432411/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432411
LCS 180-432411/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432411
180-154242-1 MS	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 7471B	432411
180-154242-1 MSD	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	EPA 7471B	432411

Analysis Batch: 432782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	EPA 7471B	432413
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 7471B	432413
MB 180-432413/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432413
LCS 180-432413/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432413
180-154242-22 MS	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 7471B	432413
180-154242-22 MSD	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 7471B	432413

Analysis Batch: 432842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 6010C	431434
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	EPA 6010C	431434
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	EPA 6010C	431434
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	EPA 6010C	431434
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	EPA 6010C	431434
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	EPA 6010C	431434
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	EPA 6010C	431434
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	EPA 6010C	431434
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	EPA 6010C	431434
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	EPA 6010C	431434
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	EPA 6010C	431434
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	EPA 6010C	431434
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	EPA 6010C	431434
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	EPA 6010C	431434
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	EPA 6010C	431434
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	EPA 6010C	431434
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	EPA 6010C	431434
MB 180-431434/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431434
LCS 180-431434/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431434
180-154242-5 MS	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 6010C	431434
180-154242-5 MSD	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	EPA 6010C	431434

Analysis Batch: 433149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	EPA 6010C	432624

General Chemistry

Analysis Batch: 430821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-1	SSHS-IRM5A2-MSA-B1	Total/NA	Solid	2540G	
180-154242-2	SSHS-IRM5A2-MSA-B2	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 430821 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-3	SSHS-IRM5A2-MSA-B3	Total/NA	Solid	2540G	
180-154242-4	SSHS-IRM5A2-MSA-B4	Total/NA	Solid	2540G	
180-154242-5	SSHS-IRM5A2-MSA-B5	Total/NA	Solid	2540G	
180-154242-6	SSHS-IRM5A2-MSA-B6	Total/NA	Solid	2540G	
180-154242-7	SSHS-IRM5A2-MSA-B7	Total/NA	Solid	2540G	
180-154242-8	SSHS-IRM5A2-MSA-B8	Total/NA	Solid	2540G	
180-154242-9	SSHS-IRM5A2-MSA-B9	Total/NA	Solid	2540G	
180-154242-10	SSHS-IRM5A2-MSA-B10	Total/NA	Solid	2540G	
180-154242-11	SSHS-IRM5A2-DUP287	Total/NA	Solid	2540G	
180-154242-12	SSHS-IRM5A2-MSA-B11	Total/NA	Solid	2540G	
180-154242-13	SSHS-IRM5A2-MSA-B12	Total/NA	Solid	2540G	
180-154242-14	SSHS-IRM5A2-MSA-B13	Total/NA	Solid	2540G	
180-154242-15	SSHS-IRM5A2-MSA-B14	Total/NA	Solid	2540G	
180-154242-16	SSHS-IRM5A2-MSA-B15	Total/NA	Solid	2540G	
180-154242-17	SSHS-IRM5A2-MSA-B16	Total/NA	Solid	2540G	
180-154242-18	SSHS-IRM5A2-MSA-B17	Total/NA	Solid	2540G	

Analysis Batch: 430879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154242-19	SSHS-IRM5A2-MSA-B18	Total/NA	Solid	2540G	
180-154242-20	SSHS-IRM5A2-MSA-B19	Total/NA	Solid	2540G	
180-154242-21	SSHS-IRM5A2-DUP288	Total/NA	Solid	2540G	
180-154242-22	SSHS-IRM5A2-MSA-B20	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
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Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B12	3/28/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B13	3/28/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B14	3/28/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B15	3/28/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B16	3/28/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B17	3/28/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B18	3/28/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B19	3/28/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP288	3/28/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B20	3/28/23	1535	G	S	N	Y	X	X	X	X	X	X	16	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Miranda Stalker	3/28/2023 1700	Geosyntec		3/28/23	EPITOME
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

4/28/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-MSA-B1	3/28/23	1400	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-MSA-B2	3/28/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B3	3/28/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B4	3/28/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B5	3/28/23	1420	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-MSA-B6	3/28/23	1425	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B7	3/28/23	1430	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B8	3/28/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B9	3/28/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-MSA-B10	3/28/23	1445	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP287	3/28/23	--	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-MSA-B11	3/28/23	1450	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Meranda Ahlers	Date/Time: 3/28/2023/1700	Company: Geosyntec	Received by:	Date/Time: 3/29/23 9:50	Company EPITOME
Relinquished by:	Date/Time:	Company	Received by:		Company
Relinquished by:	Date/Time:	Company	Received by:		Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C a

180-154242 Chain of Custody

4/28/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-154242 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B1	3/28/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B2	3/28/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B3	3/28/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B4	3/28/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B5	3/28/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B6	3/28/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B7	3/28/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B8	3/28/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B9	3/28/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B10	3/28/23	1445	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-DUP287	3/28/23	--	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B11	3/28/23	1450	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Miranda Heller	Date/Time: 3/28/2023/1700	Company: Geosyntec	Received by:	Date/Time: 3.29.23 0940	Company: EPBa
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.0

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4/28/2023

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B12	3/28/23	1455	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B13	3/28/23	1500	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B14	3/28/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B15	3/28/23	1510	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B16	3/28/23	1515	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B17	3/28/23	1520	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B18	3/28/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B19	3/28/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP288	3/28/23	--	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B20	3/28/23	1535	G	S	N	Y	X	X	X	X	X	X								16	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Meredith Allen	Date/Time: 3/28/2023/1700	Company: Geosyntec	Received by:	Date/Time: 3/29/23 0940	Company: EETS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1c 0

4/28/2023

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes



Job: _____

Tracking # : 7716 5676 1116

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 03 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 1.0 °C Corrected: 1.0 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 3-29-23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 3-29-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials SO Date: 3-29-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154242-1

Login Number: 154242
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 4/29/2023 11:10:03 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154312-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
4/29/2023 11:10:03 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-154312-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154312-1

Receipt
The samples were received on 3/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.9º C, 3.1º C, 3.7º C and 4.3º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 for the following samples was above the control limits: SSHS-IRM5A2-MSA-B37 (180-154312-18) and SSHS-IRM5A2-MSA-B39 (180-154312-21). As the surrogates were high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B34 (180-154312-15) had the recoveries of Vinyl chloride below the control limits. The RPD between the spikes and the recoveries of the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-431387 recovered above the control limits for the following analytes: Methyl acetate, Methylene Chloride and/or Methyl tert-butyl ether. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-431387 was above the control limits for the following analyte: trans-1,3-Dichloropropene. The recoveries were within the control limits.

Method 8260C: The laboratory control sample (LCS) for batch 180-431516 recovered above the control limits for the following analyte: Dichlorodifluoromethane. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-432068 recovered above the control limits for the following analytes: Dichlorodifluoromethane and Methyl acetate. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431387 was above criteria for the following analytes: 1,1,2,2-Tetrachloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, Carbon disulfide, Dichlorodifluoromethane, Methyl acetate, Methyl tert-butyl ether, and Methylene Chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431516 was above criteria for the following analytes: Dichlorodifluoromethane, Chloromethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432068 was above criteria for the following analytes: Methyl acetate, Dichlorodifluoromethane, and 1,1,2,2-Tetrachloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432068 was below criteria for the following analytes: Chloromethane and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Job ID: 180-154312-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 8270D: The recovery of surrogate Nitrobenzene-d5 was above the control limits for the following samples: SSHS-IRM5A2-MSA-B22 (180-154312-2), SSHS-IRM5A2-MSA-B23 (180-154312-3), and SSHS-IRM5A2-MSA-B41 (180-154312-23). As the surrogate recoveries were high and there were no target analytes detected above the reporting limit in the samples, the results were reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 180-431125 recovered above the control limits for the following analyte: Benzaldehyde. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8270D: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 180-431125 was above the control limits for the following analyte: 2,4-Dinitrophenol. The recoveries were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-431210 was above criteria for the following analytes: Benzaldehyde, Di-n-octyl phthalate, 2-Nitroaniline, and Nitrobenzene-d5 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-431778 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The following sample was diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-MSA-B34 (180-154312-15) and its matrix spikes. Elevated reporting limits (RLs) are provided.

Method 6010C: The method blank for preparation batch 180-431235 contained iron above the reporting limit (RL). As the associated samples contained iron at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The method blank for preparation batch 180-431582 contained iron above the reporting limit (RL). As the associated samples contained iron at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B34 (180-154312-15) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-DUP290 (180-154312-20) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154312-1	SSHS-IRM5A2-MSA-B21	Solid	03/29/23 14:00	03/30/23 10:00
180-154312-2	SSHS-IRM5A2-MSA-B22	Solid	03/29/23 14:05	03/30/23 10:00
180-154312-3	SSHS-IRM5A2-MSA-B23	Solid	03/29/23 14:10	03/30/23 10:00
180-154312-4	SSHS-IRM5A2-MSA-B24	Solid	03/29/23 14:15	03/30/23 10:00
180-154312-5	SSHS-IRM5A2-MSA-B25	Solid	03/29/23 14:20	03/30/23 10:00
180-154312-6	SSHS-IRM5A2-MSA-B26	Solid	03/29/23 14:25	03/30/23 10:00
180-154312-7	SSHS-IRM5A2-MSA-B27	Solid	03/29/23 14:30	03/30/23 10:00
180-154312-8	SSHS-IRM5A2-MSA-B28	Solid	03/29/23 14:35	03/30/23 10:00
180-154312-9	SSHS-IRM5A2-MSA-B29	Solid	03/29/23 14:40	03/30/23 10:00
180-154312-10	SSHS-IRM5A2-MSA-B30	Solid	03/29/23 14:45	03/30/23 10:00
180-154312-11	SSHS-IRM5A2-DUP289	Solid	03/29/23 00:00	03/30/23 10:00
180-154312-12	SSHS-IRM5A2-MSA-B31	Solid	03/29/23 14:50	03/30/23 10:00
180-154312-13	SSHS-IRM5A2-MSA-B32	Solid	03/29/23 14:55	03/30/23 10:00
180-154312-14	SSHS-IRM5A2-MSA-B33	Solid	03/29/23 15:00	03/30/23 10:00
180-154312-15	SSHS-IRM5A2-MSA-B34	Solid	03/29/23 15:05	03/30/23 10:00
180-154312-16	SSHS-IRM5A2-MSA-B35	Solid	03/29/23 15:10	03/30/23 10:00
180-154312-17	SSHS-IRM5A2-MSA-B36	Solid	03/29/23 15:15	03/30/23 10:00
180-154312-18	SSHS-IRM5A2-MSA-B37	Solid	03/29/23 15:20	03/30/23 10:00
180-154312-19	SSHS-IRM5A2-MSA-B38	Solid	03/29/23 15:25	03/30/23 10:00
180-154312-20	SSHS-IRM5A2-DUP290	Solid	03/29/23 00:00	03/30/23 10:00
180-154312-21	SSHS-IRM5A2-MSA-B39	Solid	03/29/23 15:30	03/30/23 10:00
180-154312-22	SSHS-IRM5A2-MSA-B40	Solid	03/29/23 15:35	03/30/23 10:00
180-154312-23	SSHS-IRM5A2-MSA-B41	Solid	03/29/23 15:40	03/30/23 10:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B21
Lab Sample ID: 180-154312-1
Date Collected: 03/29/23 14:00
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B21
Lab Sample ID: 180-154312-1
Date Collected: 03/29/23 14:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1607 g	5 mL	432099	04/12/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432068	04/12/23 21:15	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 12:47	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 20:04	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.98 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:09	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:28	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2607 g	5 mL	432099	04/12/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432068	04/12/23 22:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 13:08	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 21:38	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.67 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:14	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3
Date Collected: 03/29/23 14:10
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3
Date Collected: 03/29/23 14:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2205 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 14:27	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 13:30	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 21:57	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.98 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:19	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:30	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4
Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4
Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0305 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 14:49	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 13:52	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 22:16	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.97 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:25	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5
Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5
Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0034 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 15:57	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 14:14	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5
Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 22:35	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:30	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6
Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6
Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04624 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 16:20	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 14:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 22:54	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.83 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:35	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:37	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7
Date Collected: 03/29/23 14:30
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7
Date Collected: 03/29/23 14:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.047625 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 16:43	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 14:57	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 23:13	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.83 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:40	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:38	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0035 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 17:05	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 15:19	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 23:32	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.77 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 15:45	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:39	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9
Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9
Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1678 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 17:28	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 15:41	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 23:51	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.82 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:00	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:40	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B30
Lab Sample ID: 180-154312-10
Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B30
Lab Sample ID: 180-154312-10
Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 17:50	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 16:03	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 00:10	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.56 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:05	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3625 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 18:13	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 16:25	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 00:29	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.86 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:11	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12
Date Collected: 03/29/23 14:50
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12
Date Collected: 03/29/23 14:50
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0045 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 18:36	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 16:47	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 00:47	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.64 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:16	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:43	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13
Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13
Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0604 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 18:58	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 17:09	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 01:06	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.66 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:21	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0649 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 19:21	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 17:31	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 01:25	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.61 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:26	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15
Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15
Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1168 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 13:36	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 11:41	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 19:45	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.89 g	50 mL	431119	04/03/23 11:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432570	04/17/23 13:55	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			1.00 g	50 mL	432624	04/18/23 10:56	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433149	04/21/23 14:21	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432415	04/17/23 10:40	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:56	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16
Date Collected: 03/29/23 15:10
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16
Date Collected: 03/29/23 15:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0035 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 19:44	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 17:53	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 01:44	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.61 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:31	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2356 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 20:07	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 18:14	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 02:03	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.65 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:36	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:51	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18
Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18
Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2245 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 20:30	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 18:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 02:22	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.64 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:41	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:52	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19
Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430953	03/31/23 10:30	BAB	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19
Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 20:52	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 18:58	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 02:41	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.79 g	50 mL	431582	04/06/23 12:36	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 16:46	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432413	04/17/23 10:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:53	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430991	03/31/23 17:22	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6758 g	5 mL	431630	04/06/23 07:38	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 15:28	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431688	04/07/23 09:43	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431778	04/10/23 19:20	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	430990	03/31/23 17:05	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431000	04/01/23 03:54	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431001	04/01/23 03:56	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/05/23 03:00	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.58 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 02:19	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.58 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 21:50	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432415	04/17/23 10:40	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 09:59	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21
Date Collected: 03/29/23 15:30
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430991	03/31/23 17:22	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21
Date Collected: 03/29/23 15:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2304 g	5 mL	431446	04/05/23 07:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431387	04/05/23 13:13	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431125	04/03/23 11:27	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431563	04/06/23 14:29	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	430992	03/31/23 17:28	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431002	04/01/23 03:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431003	04/01/23 03:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 18:30	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.95 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 02:44	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.95 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 22:10	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21
Date Collected: 03/29/23 15:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.68 g	100 mL	432415	04/17/23 10:40	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 10:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430991	03/31/23 17:22	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4625 g	5 mL	431630	04/06/23 07:38	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 14:43	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431125	04/03/23 11:27	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431382	04/05/23 18:45	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	430992	03/31/23 17:28	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431002	04/01/23 03:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431003	04/01/23 03:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 18:48	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	431235	04/04/23 09:10	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			431651	04/06/23 17:30	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432415	04/17/23 10:40	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 10:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23
Date Collected: 03/29/23 15:40
Matrix: Solid
Date Received: 03/30/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			430991	03/31/23 17:22	ELS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23
Date Collected: 03/29/23 15:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0035 g	5 mL	431630	04/06/23 07:38	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 15:05	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431125	04/03/23 11:27	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	431210	04/04/23 21:27	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	430992	03/31/23 17:28	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431002	04/01/23 03:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431003	04/01/23 03:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	431205	04/04/23 19:07	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.85 g	50 mL	431793	04/10/23 08:17	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 02:59	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432415	04/17/23 10:40	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			432782	04/19/23 10:05	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

AAS = Arianna Swick
JBP = Jack Prothero
JSM = Joseph Moore
MTW = Michael Wesoloski
PJJ = Patrick Journet

Batch Type: Analysis

BAB = Brooke Batyi
C1K = Chamaiporn Krisorn
ELS = Edwin Shireman
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
RJG = Rob Good
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B21
Lab Sample ID: 180-154312-1
Date Collected: 03/29/23 14:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 91.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
2-Butanone (MEK)	**84**		5.3	2.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Dichlorodifluoromethane	ND	*+	5.3	2.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Methyl acetate	ND	*+	26	7.8	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B21
Lab Sample ID: 180-154312-1
Date Collected: 03/29/23 14:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 91.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/12/23 07:53	04/12/23 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*04/12/23 07:53*	*04/12/23 21:15*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/12/23 07:53*	*04/12/23 21:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*04/12/23 07:53*	*04/12/23 21:15*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*04/12/23 07:53*	*04/12/23 21:15*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Acetophenone	ND		710	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Anthracene	ND		71	18	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Atrazine	ND		710	160	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Carbazole	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Chrysene	ND		71	39	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B21
Lab Sample ID: 180-154312-1
Date Collected: 03/29/23 14:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 91.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Fluorene	ND		71	14	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Isophorone	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Naphthalene	ND		71	14	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Phenol	ND		350	110	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
Pyrene	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/07/23 09:43*	*04/10/23 12:47*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*04/07/23 09:43*	*04/10/23 12:47*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*04/07/23 09:43*	*04/10/23 12:47*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*04/07/23 09:43*	*04/10/23 12:47*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/07/23 09:43*	*04/10/23 12:47*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*34 - 108*	*04/07/23 09:43*	*04/10/23 12:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1

Client Sample ID: SSHS-IRM5A2-MSA-B21
Lab Sample ID: 180-154312-1
Date Collected: 03/29/23 14:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 91.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.2	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/31/23 17:05	04/04/23 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/31/23 17:05*	*04/04/23 20:04*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/31/23 17:05*	*04/04/23 20:04*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*03/31/23 17:05*	*04/04/23 20:04*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*03/31/23 17:05*	*04/04/23 20:04*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		11	2.8	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Antimony	ND		0.56	0.17	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Arsenic	**7.7**		0.56	0.35	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Barium	**69**		11	2.0	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Beryllium	**0.38**		0.22	0.061	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Cadmium	**0.57**		0.28	0.041	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Calcium	**2400**		280	36	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Chromium	**11**		0.28	0.25	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Cobalt	**9.1**		2.8	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Copper	**15**		1.4	0.84	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Iron	**21000**	**B**	5.6	5.4	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Lead	**11**		0.56	0.49	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Magnesium	**2800**		280	31	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Manganese	**380**		0.84	0.15	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Nickel	**19**		2.2	0.28	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Potassium	**640**	**B**	280	47	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Selenium	ND		0.56	0.26	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Silver	ND		0.28	0.058	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Sodium	**31**	**J**	280	29	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Thallium	**0.55**	**J**	1.1	0.16	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Vanadium	**13**		2.8	0.44	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1
Zinc	**45**		1.1	0.81	mg/Kg	☼	04/06/23 12:36	04/20/23 15:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:30	04/19/23 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.5**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**91.5**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Dichlorodifluoromethane	ND	*+	4.9	2.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Methyl acetate	ND	*+	25	7.2	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/12/23 07:53	04/12/23 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/12/23 07:53*	*04/12/23 22:23*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*04/12/23 07:53*	*04/12/23 22:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*04/12/23 07:53*	*04/12/23 22:23*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/12/23 07:53*	*04/12/23 22:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Acetophenone	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Anthracene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Atrazine	ND		680	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Carbazole	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Chrysene	ND		68	37	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Di-n-butyl phthalate	**160**	**J**	330	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2
Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		680	100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Fluorene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Indeno[1,2,3-cd]pyrene	ND		68	33	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Isophorone	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Naphthalene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Phenol	ND		330	100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
Pyrene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*44 - 105*	*04/07/23 09:43*	*04/10/23 13:08*	*1*
2-Fluorophenol (Surr)	*100*		*48 - 105*	*04/07/23 09:43*	*04/10/23 13:08*	*1*
Nitrobenzene-d5 (Surr)	*107*	*S1+*	*46 - 105*	*04/07/23 09:43*	*04/10/23 13:08*	*1*
Phenol-d5 (Surr)	*101*		*46 - 105*	*04/07/23 09:43*	*04/10/23 13:08*	*1*
Terphenyl-d14 (Surr)	*100*		*39 - 105*	*04/07/23 09:43*	*04/10/23 13:08*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/07/23 09:43*	*04/10/23 13:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 21:38	1

Client Sample ID: SSHS-IRM5A2-MSA-B22
Lab Sample ID: 180-154312-2

Date Collected: 03/29/23 14:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/31/23 17:05*	*04/04/23 21:38*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/31/23 17:05*	*04/04/23 21:38*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*03/31/23 17:05*	*04/04/23 21:38*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/31/23 17:05*	*04/04/23 21:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		15	3.9	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Antimony	ND		0.77	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Arsenic	**17**		0.77	0.48	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Barium	**77**		15	2.7	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Beryllium	**0.43**		0.31	0.084	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Cadmium	**0.72**		0.39	0.057	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Calcium	**3300**		390	50	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Chromium	**13**		0.39	0.35	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Cobalt	**11**		3.9	0.54	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Copper	**19**		1.9	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Iron	**26000**	**B**	7.7	7.5	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Lead	**13**		0.77	0.67	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Magnesium	**3500**		390	42	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Manganese	**440**		1.2	0.21	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Nickel	**23**		3.1	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Potassium	**980**	**B**	390	66	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Selenium	ND		0.77	0.36	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Silver	ND		0.39	0.080	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Sodium	**51**	**J**	390	40	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Thallium	**0.71**	**J**	1.5	0.22	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Vanadium	**15**		3.9	0.61	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1
Zinc	**55**		1.5	1.1	mg/Kg	☼	04/06/23 12:36	04/20/23 15:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.3**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**96.7**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3

Date Collected: 03/29/23 14:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3
Date Collected: 03/29/23 14:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Methyl acetate	ND	*+	25	7.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Methylene Chloride	ND	*+	5.0	4.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Methyl tert-butyl ether	ND	*+	5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
trans-1,3-Dichloropropene	ND	*1	5.0	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/05/23 07:43	04/05/23 14:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3

Date Collected: 03/29/23 14:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/05/23 07:43*	*04/05/23 14:27*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/05/23 07:43*	*04/05/23 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*04/05/23 07:43*	*04/05/23 14:27*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/05/23 07:43*	*04/05/23 14:27*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Acetophenone	ND		670	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Anthracene	ND		67	17	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Atrazine	ND		670	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Benzaldehyde	ND		670	42	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Benzo[b]fluoranthene	ND		67	17	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Benzo[g,h,i]perylene	ND		67	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Carbazole	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Chrysene	ND		67	37	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Di-n-butyl phthalate	**230**	**J**	330	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Fluorene	ND		67	13	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3

Date Collected: 03/29/23 14:10
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Isophorone	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Naphthalene	ND		67	13	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Phenol	ND		330	100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
Pyrene	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*44 - 105*	*04/07/23 09:43*	*04/10/23 13:30*	*1*
2-Fluorophenol (Surr)	*104*		*48 - 105*	*04/07/23 09:43*	*04/10/23 13:30*	*1*
Nitrobenzene-d5 (Surr)	*108*	*S1+*	*46 - 105*	*04/07/23 09:43*	*04/10/23 13:30*	*1*
Phenol-d5 (Surr)	*104*		*46 - 105*	*04/07/23 09:43*	*04/10/23 13:30*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 105*	*04/07/23 09:43*	*04/10/23 13:30*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*04/07/23 09:43*	*04/10/23 13:30*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/31/23 17:05*	*04/04/23 21:57*	*1*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*03/31/23 17:05*	*04/04/23 21:57*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*03/31/23 17:05*	*04/04/23 21:57*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B23
Lab Sample ID: 180-154312-3
Date Collected: 03/29/23 14:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*03/31/23 17:05*	*04/04/23 21:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		11	2.6	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Antimony	ND		0.53	0.16	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Arsenic	**7.1**		0.53	0.33	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Barium	**59**		11	1.9	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Beryllium	**0.32**		0.21	0.058	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Cadmium	**0.52**		0.27	0.039	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Calcium	**5000**		270	34	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Chromium	**9.2**		0.27	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Cobalt	**8.9**		2.7	0.37	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Copper	**23**		1.3	0.80	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Iron	**19000**	**B**	5.3	5.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Lead	**11**		0.53	0.46	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Magnesium	**2300**		270	29	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Manganese	**540**		0.80	0.15	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Nickel	**16**		2.1	0.27	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Potassium	**390**	**B**	270	45	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Selenium	ND		0.53	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Silver	ND		0.27	0.055	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Sodium	ND		270	27	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Thallium	**0.68**	**J**	1.1	0.15	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Vanadium	**12**		2.7	0.42	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1
Zinc	**39**		1.1	0.77	mg/Kg	☼	04/06/23 12:36	04/20/23 15:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	04/17/23 10:30	04/19/23 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.9**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**96.1**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4
Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4
Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
cis-1,2-Dichloroethene	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Methylene Chloride	ND	*+	5.1	4.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Methyl tert-butyl ether	ND	*+	5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
trans-1,3-Dichloropropene	ND	*1	5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/05/23 07:43	04/05/23 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*04/05/23 07:43*	*04/05/23 14:49*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/05/23 07:43*	*04/05/23 14:49*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4

Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*04/05/23 07:43*	*04/05/23 14:49*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/05/23 07:43*	*04/05/23 14:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Acetophenone	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Anthracene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Atrazine	ND		680	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Carbazole	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Chrysene	ND		68	38	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Dibenz(a,h)anthracene	ND		68	44	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Di-n-butyl phthalate	**150**	**J**	340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Fluorene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4
Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Naphthalene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
Pyrene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*04/07/23 09:43*	*04/10/23 13:52*	*1*
2-Fluorophenol (Surr)	*89*		*48 - 105*	*04/07/23 09:43*	*04/10/23 13:52*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*04/07/23 09:43*	*04/10/23 13:52*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*04/07/23 09:43*	*04/10/23 13:52*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*04/07/23 09:43*	*04/10/23 13:52*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*04/07/23 09:43*	*04/10/23 13:52*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/31/23 17:05*	*04/04/23 22:16*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/31/23 17:05*	*04/04/23 22:16*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*03/31/23 17:05*	*04/04/23 22:16*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*03/31/23 17:05*	*04/04/23 22:16*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B24
Lab Sample ID: 180-154312-4

Date Collected: 03/29/23 14:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4300		11	2.7	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Antimony	ND		0.53	0.16	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Arsenic	1.6		0.53	0.33	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Barium	17		11	1.9	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Beryllium	0.14	J	0.21	0.058	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Cadmium	0.26	J	0.27	0.039	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Calcium	170	J	270	34	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Chromium	5.0		0.27	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Cobalt	3.0		2.7	0.38	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Copper	16		1.3	0.81	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Iron	10000	B	5.3	5.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Lead	0.93		0.53	0.46	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Magnesium	1300		270	29	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Manganese	65		0.80	0.15	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Nickel	8.7		2.1	0.27	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Potassium	88	J B	270	45	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Selenium	ND		0.53	0.25	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Silver	ND		0.27	0.055	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Sodium	ND		270	27	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Thallium	0.31	J	1.1	0.15	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Vanadium	5.7		2.7	0.42	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1
Zinc	22		1.1	0.77	mg/Kg	☼	04/06/23 12:36	04/20/23 15:25	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.3		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	96.7		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5

Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.8	J	21	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Bromomethane	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5
Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.2	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,4-Dichlorobenzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,1-Dichloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Methylene Chloride	ND	*+	5.2	4.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Styrene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2,3-Trichlorobenzene	ND		5.2	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/05/23 07:43	04/05/23 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/05/23 07:43*	*04/05/23 15:57*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*04/05/23 07:43*	*04/05/23 15:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*04/05/23 07:43*	*04/05/23 15:57*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/05/23 07:43*	*04/05/23 15:57*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5
Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Acetophenone	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Anthracene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Atrazine	ND		680	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Carbazole	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Chrysene	ND		68	38	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Di-n-butyl phthalate	**160**	**J**	340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Fluorene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2-Methylphenol	ND		340	97	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5
Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Naphthalene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
Pyrene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/07/23 09:43*	*04/10/23 14:14*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*04/07/23 09:43*	*04/10/23 14:14*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*04/07/23 09:43*	*04/10/23 14:14*	*1*
Phenol-d5 (Surr)	*84*		*46 - 105*	*04/07/23 09:43*	*04/10/23 14:14*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/07/23 09:43*	*04/10/23 14:14*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*04/07/23 09:43*	*04/10/23 14:14*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*03/31/23 17:05*	*04/04/23 22:35*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*03/31/23 17:05*	*04/04/23 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*03/31/23 17:05*	*04/04/23 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*03/31/23 17:05*	*04/04/23 22:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		16	4.1	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Antimony	ND		0.82	0.25	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B25
Lab Sample ID: 180-154312-5

Date Collected: 03/29/23 14:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		0.82	0.51	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Barium	70		16	2.9	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Beryllium	0.37		0.33	0.089	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Cadmium	0.56		0.41	0.060	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Calcium	2100		410	53	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Chromium	11		0.41	0.37	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Cobalt	8.4		4.1	0.58	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Copper	15		2.0	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Iron	22000	B	8.2	8.0	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Lead	13		0.82	0.71	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Magnesium	2800		410	45	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Manganese	410		1.2	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Nickel	17		3.3	0.41	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Potassium	710	B	410	70	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Selenium	ND		0.82	0.38	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Silver	ND		0.41	0.085	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Sodium	ND		410	42	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Thallium	0.76	J	1.6	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Vanadium	14		4.1	0.65	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1
Zinc	47		1.6	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	04/17/23 10:30	04/19/23 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.0		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	97.0		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6

Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Chloromethane	ND		5.2	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6
Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,4-Dichlorobenzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Styrene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2,3-Trichlorobenzene	ND		5.2	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*04/05/23 07:43*	*04/05/23 16:20*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*04/05/23 07:43*	*04/05/23 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*04/05/23 07:43*	*04/05/23 16:20*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/05/23 07:43*	*04/05/23 16:20*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6
Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Acetophenone	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Anthracene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Atrazine	ND		680	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Carbazole	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4-Chloroaniline	ND		330	89	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Chrysene	ND		68	38	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
3,3'-Dichlorobenzidine	ND		330	320	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Fluorene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Hexachlorocyclopentadiene	ND		330	35	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Isophorone	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2-Methylphenol	ND		330	97	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6

Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Phenol	ND		330	100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
Pyrene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*44 - 105*	*04/07/23 09:43*	*04/10/23 14:36*	*1*
2-Fluorophenol (Surr)	*52*		*48 - 105*	*04/07/23 09:43*	*04/10/23 14:36*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 105*	*04/07/23 09:43*	*04/10/23 14:36*	*1*
Phenol-d5 (Surr)	*55*		*46 - 105*	*04/07/23 09:43*	*04/10/23 14:36*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 105*	*04/07/23 09:43*	*04/10/23 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*34 - 108*	*04/07/23 09:43*	*04/10/23 14:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*03/31/23 17:05*	*04/04/23 22:54*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*03/31/23 17:05*	*04/04/23 22:54*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*03/31/23 17:05*	*04/04/23 22:54*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/31/23 17:05*	*04/04/23 22:54*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		13	3.1	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Antimony	ND		0.63	0.19	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Arsenic	**6.3**		0.63	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1

Client Sample ID: SSHS-IRM5A2-MSA-B26
Lab Sample ID: 180-154312-6

Date Collected: 03/29/23 14:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	58		13	2.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Beryllium	0.32		0.25	0.068	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Cadmium	0.48		0.31	0.046	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Calcium	1800		310	41	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Chromium	8.8		0.31	0.29	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Cobalt	7.9		3.1	0.44	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Copper	9.9		1.6	0.95	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Iron	17000	B	6.3	6.1	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Lead	13		0.63	0.55	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Magnesium	2300		310	34	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Manganese	420		0.94	0.17	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Nickel	16		2.5	0.32	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Potassium	580	B	310	53	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Selenium	ND		0.63	0.29	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Silver	ND		0.31	0.065	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Sodium	32	J	310	32	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Thallium	0.64	J	1.3	0.18	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Vanadium	11		3.1	0.50	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1
Zinc	39		1.3	0.91	mg/Kg	☼	04/06/23 12:36	04/20/23 15:35	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.9		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	96.1		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7

Date Collected: 03/29/23 14:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7
Date Collected: 03/29/23 14:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Methyl acetate	ND	*+	26	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Methylene Chloride	ND	*+	5.1	4.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Methyl tert-butyl ether	ND	*+	5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
trans-1,3-Dichloropropene	ND	*1	5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/05/23 07:43	04/05/23 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/05/23 07:43*	*04/05/23 16:43*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*04/05/23 07:43*	*04/05/23 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*04/05/23 07:43*	*04/05/23 16:43*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/05/23 07:43*	*04/05/23 16:43*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7
Date Collected: 03/29/23 14:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Anthracene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Atrazine	ND		690	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Benzaldehyde	ND		690	42	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Benzo[k]fluoranthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Carbazole	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Chrysene	ND		69	38	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Fluorene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Hexachlorobenzene	ND		69	24	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Naphthalene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7

Date Collected: 03/29/23 14:30
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Nitrobenzene	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
Pyrene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*04/07/23 09:43*	*04/10/23 14:57*	*1*
2-Fluorophenol (Surr)	*94*		*48 - 105*	*04/07/23 09:43*	*04/10/23 14:57*	*1*
Nitrobenzene-d5 (Surr)	*101*		*46 - 105*	*04/07/23 09:43*	*04/10/23 14:57*	*1*
Phenol-d5 (Surr)	*94*		*46 - 105*	*04/07/23 09:43*	*04/10/23 14:57*	*1*
Terphenyl-d14 (Surr)	*94*		*39 - 105*	*04/07/23 09:43*	*04/10/23 14:57*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*04/07/23 09:43*	*04/10/23 14:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*03/31/23 17:05*	*04/04/23 23:13*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*03/31/23 17:05*	*04/04/23 23:13*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*03/31/23 17:05*	*04/04/23 23:13*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*03/31/23 17:05*	*04/04/23 23:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		12	3.1	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Antimony	ND		0.62	0.19	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Arsenic	**6.9**		0.62	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Barium	**68**		12	2.2	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1

Client Sample ID: SSHS-IRM5A2-MSA-B27
Lab Sample ID: 180-154312-7

Date Collected: 03/29/23 14:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.28**		0.25	0.068	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Cadmium	**0.54**		0.31	0.046	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Calcium	**4400**		310	40	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Chromium	**9.5**		0.31	0.28	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Cobalt	**7.8**		3.1	0.44	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Copper	**16**		1.6	0.94	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Iron	**19000**	**B**	6.2	6.1	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Lead	**8.7**		0.62	0.54	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Magnesium	**2500**		310	34	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Manganese	**430**		0.93	0.17	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Nickel	**17**		2.5	0.31	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Potassium	**500**	**B**	310	53	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Selenium	ND		0.62	0.29	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Silver	ND		0.31	0.065	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Sodium	ND		310	32	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Thallium	**0.57**	**J**	1.2	0.18	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Vanadium	**12**		3.1	0.49	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1
Zinc	**43**		1.2	0.90	mg/Kg	☼	04/06/23 12:36	04/20/23 15:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.0**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**97.0**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8

Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
2-Butanone (MEK)	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Chloroethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*04/05/23 07:43*	*04/05/23 17:05*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*04/05/23 07:43*	*04/05/23 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*04/05/23 07:43*	*04/05/23 17:05*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/05/23 07:43*	*04/05/23 17:05*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Acetophenone	ND		700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Atrazine	ND		700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Carbazole	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Chrysene	ND		70	38	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Fluorene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Indeno[1,2,3-cd]pyrene	ND		70	34	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Naphthalene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8
Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
Pyrene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*04/07/23 09:43*	*04/10/23 15:19*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*04/07/23 09:43*	*04/10/23 15:19*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*04/07/23 09:43*	*04/10/23 15:19*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*04/07/23 09:43*	*04/10/23 15:19*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*04/07/23 09:43*	*04/10/23 15:19*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/07/23 09:43*	*04/10/23 15:19*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1248	ND		17	4.0	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1262	ND		17	5.9	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*03/31/23 17:05*	*04/04/23 23:32*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*03/31/23 17:05*	*04/04/23 23:32*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*03/31/23 17:05*	*04/04/23 23:32*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*03/31/23 17:05*	*04/04/23 23:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		14	3.4	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Antimony	ND		0.68	0.21	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Arsenic	**6.8**		0.68	0.43	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Barium	**54**		14	2.4	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Beryllium	**0.30**		0.27	0.074	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1

Client Sample ID: SSHS-IRM5A2-MSA-B28
Lab Sample ID: 180-154312-8

Date Collected: 03/29/23 14:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.52		0.34	0.050	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Calcium	1800		340	44	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Chromium	10		0.34	0.31	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Cobalt	7.2		3.4	0.48	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Copper	12		1.7	1.0	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Iron	19000	B	6.8	6.6	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Lead	8.6		0.68	0.59	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Magnesium	2300		340	37	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Manganese	280		1.0	0.19	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Nickel	16		2.7	0.34	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Potassium	440	B	340	58	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Selenium	ND		0.68	0.31	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Silver	ND		0.34	0.071	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Sodium	62	J	340	35	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Thallium	0.46	J	1.4	0.19	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Vanadium	11		3.4	0.54	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1
Zinc	42		1.4	0.98	mg/Kg	☼	04/06/23 12:36	04/20/23 15:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:30	04/19/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.4		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	95.6		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9

Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 92.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.1	J	21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
2-Butanone (MEK)	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9
Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 92.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/05/23 07:43*	*04/05/23 17:28*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/05/23 07:43*	*04/05/23 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*	*04/05/23 07:43*	*04/05/23 17:28*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/05/23 07:43*	*04/05/23 17:28*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Acetophenone	ND		700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Anthracene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9
Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 92.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Carbazole	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Chrysene	ND		70	39	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Fluorene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Naphthalene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9

Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 92.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Phenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
Pyrene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*04/07/23 09:43*	*04/10/23 15:41*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*04/07/23 09:43*	*04/10/23 15:41*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*	*04/07/23 09:43*	*04/10/23 15:41*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*04/07/23 09:43*	*04/10/23 15:41*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*04/07/23 09:43*	*04/10/23 15:41*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/07/23 09:43*	*04/10/23 15:41*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1221	ND		18	6.3	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1248	ND		18	4.3	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/31/23 17:05	04/04/23 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*03/31/23 17:05*	*04/04/23 23:51*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*03/31/23 17:05*	*04/04/23 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*03/31/23 17:05*	*04/04/23 23:51*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*03/31/23 17:05*	*04/04/23 23:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7800**		13	3.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Antimony	ND		0.66	0.20	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Arsenic	**6.4**		0.66	0.41	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Barium	**57**		13	2.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Beryllium	**0.30**		0.26	0.072	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Cadmium	**0.54**		0.33	0.048	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1

Client Sample ID: SSHS-IRM5A2-MSA-B29
Lab Sample ID: 180-154312-9

Date Collected: 03/29/23 14:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 92.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2500		330	42	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Chromium	10		0.33	0.30	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Cobalt	8.0		3.3	0.46	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Copper	17		1.6	0.99	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Iron	19000	B	6.6	6.4	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Lead	11		0.66	0.57	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Magnesium	2700		330	36	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Manganese	320		0.99	0.18	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Nickel	17		2.6	0.33	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Potassium	440	B	330	56	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Selenium	ND		0.66	0.30	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Silver	ND		0.33	0.068	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Sodium	ND		330	34	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Thallium	0.60	J	1.3	0.19	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Vanadium	12		3.3	0.52	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1
Zinc	45		1.3	0.95	mg/Kg	☼	04/06/23 12:36	04/20/23 16:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.3		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	92.7		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B30
Lab Sample ID: 180-154312-10

Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.6	J	21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1

Client Sample ID: SSHS-IRM5A2-MSA-B30
Lab Sample ID: 180-154312-10
Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Methyl acetate	ND	*+	26	7.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Methylene Chloride	ND	*+	5.3	4.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Methyl tert-butyl ether	ND	*+	5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
trans-1,3-Dichloropropene	ND	*1	5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/05/23 07:43	04/05/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*04/05/23 07:43*	*04/05/23 17:50*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*04/05/23 07:43*	*04/05/23 17:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*04/05/23 07:43*	*04/05/23 17:50*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/05/23 07:43*	*04/05/23 17:50*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Acetophenone	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Anthracene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Atrazine	ND		700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B30
Lab Sample ID: 180-154312-10
Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		700	44	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Carbazole	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Chrysene	ND		70	39	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Di-n-butyl phthalate	**210**	**J**	350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Fluoranthene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Fluorene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Hexachlorobutadiene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Isophorone	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Naphthalene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B30
Lab Sample ID: 180-154312-10

Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Phenol	ND		350	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
Pyrene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*04/07/23 09:43*	*04/10/23 16:03*	*1*
2-Fluorophenol (Surr)	*93*		*48 - 105*	*04/07/23 09:43*	*04/10/23 16:03*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 105*	*04/07/23 09:43*	*04/10/23 16:03*	*1*
Phenol-d5 (Surr)	*93*		*46 - 105*	*04/07/23 09:43*	*04/10/23 16:03*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*04/07/23 09:43*	*04/10/23 16:03*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/07/23 09:43*	*04/10/23 16:03*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/31/23 17:05	04/05/23 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/31/23 17:05*	*04/05/23 00:10*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/31/23 17:05*	*04/05/23 00:10*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*03/31/23 17:05*	*04/05/23 00:10*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*03/31/23 17:05*	*04/05/23 00:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		19	4.7	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Antimony	ND		0.95	0.29	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Arsenic	**9.4**		0.95	0.59	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Barium	**92**		19	3.4	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Beryllium	**0.49**		0.38	0.10	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Cadmium	**0.70**		0.47	0.069	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Calcium	**2400**		470	61	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1

Client Sample ID: SSHS-IRM5A2-MSA-B30

Lab Sample ID: 180-154312-10

Date Collected: 03/29/23 14:45
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14		0.47	0.43	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Cobalt	11		4.7	0.67	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Copper	19		2.4	1.4	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Iron	27000	B	9.5	9.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Lead	12		0.95	0.82	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Magnesium	3800		470	52	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Manganese	440		1.4	0.26	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Nickel	24		3.8	0.48	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Potassium	1100	B	470	80	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Selenium	ND		0.95	0.44	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Silver	ND		0.47	0.098	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Sodium	51	J	470	48	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Thallium	0.84	J	1.9	0.27	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Vanadium	16		4.7	0.75	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1
Zinc	61		1.9	1.4	mg/Kg	☼	04/06/23 12:36	04/20/23 16:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.6		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	94.4		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-DUP289

Lab Sample ID: 180-154312-11

Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Benzene	ND		4.8	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
2-Butanone (MEK)	ND		4.8	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Carbon disulfide	ND		4.8	3.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Chloroform	ND		4.8	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,4-Dichlorobenzene	ND		4.8	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Dichlorobromomethane	ND		4.8	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,1-Dichloroethane	ND		4.8	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
2-Hexanone	ND		4.8	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Methyl acetate	ND	*+	24	7.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Methylene Chloride	ND	*+	4.8	4.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Methyl tert-butyl ether	ND	*+	4.8	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Styrene	ND		4.8	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Toluene	ND		4.8	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
trans-1,3-Dichloropropene	ND	*1	4.8	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2,3-Trichlorobenzene	ND		4.8	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,2,4-Trichlorobenzene	ND		4.8	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/05/23 07:43*	*04/05/23 18:13*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*04/05/23 07:43*	*04/05/23 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*04/05/23 07:43*	*04/05/23 18:13*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/05/23 07:43*	*04/05/23 18:13*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Acetophenone	ND		670	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Anthracene	ND		67	17	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Atrazine	ND		670	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Benzaldehyde	ND		670	42	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Carbazole	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Chrysene	ND		67	37	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Di-n-butyl phthalate	**170**	**J**	330	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Fluorene	ND		67	13	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Isophorone	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Naphthalene	ND		67	13	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11

Date Collected: 03/29/23 00:00
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 96.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Phenol	ND		330	100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
Pyrene	ND		67	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*04/07/23 09:43*	*04/10/23 16:25*	*1*
2-Fluorophenol (Surr)	*90*		*48 - 105*	*04/07/23 09:43*	*04/10/23 16:25*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 105*	*04/07/23 09:43*	*04/10/23 16:25*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*04/07/23 09:43*	*04/10/23 16:25*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 105*	*04/07/23 09:43*	*04/10/23 16:25*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*04/07/23 09:43*	*04/10/23 16:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1221	ND		17	5.9	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1248	ND		17	4.0	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1254	ND		17	5.0	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1262	ND		17	5.9	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/31/23 17:05*	*04/05/23 00:29*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/31/23 17:05*	*04/05/23 00:29*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/31/23 17:05*	*04/05/23 00:29*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*03/31/23 17:05*	*04/05/23 00:29*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4600**		12	3.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Antimony	ND		0.60	0.18	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Arsenic	**3.9**		0.60	0.38	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Barium	**36**		12	2.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Beryllium	**0.21**	**J**	0.24	0.066	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Cadmium	**0.31**		0.30	0.044	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Calcium	**1600**		300	39	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Chromium	**6.1**		0.30	0.27	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1

Client Sample ID: SSHS-IRM5A2-DUP289
Lab Sample ID: 180-154312-11
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 96.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.2		3.0	0.43	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Copper	13		1.5	0.91	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Iron	12000	B	6.0	5.9	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Lead	21		0.60	0.53	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Magnesium	1600		300	33	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Manganese	240		0.91	0.17	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Nickel	10		2.4	0.30	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Potassium	210	J B	300	51	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Selenium	ND		0.60	0.28	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Silver	ND		0.30	0.063	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Sodium	ND		300	31	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Thallium	0.50	J	1.2	0.17	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Vanadium	6.7		3.0	0.48	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1
Zinc	28		1.2	0.88	mg/Kg	☼	04/06/23 12:36	04/20/23 16:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.8		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	96.2		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12
Date Collected: 03/29/23 14:50
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Bromoform	ND		5.3	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12
Date Collected: 03/29/23 14:50
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Dichlorobromomethane	ND		5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,4-Dioxane	ND		1100	37	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
2-Hexanone	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Methylene Chloride	ND	*+	5.3	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Methyl tert-butyl ether	ND	*+	5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
trans-1,3-Dichloropropene	ND	*1	5.3	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Trichloroethene	ND		5.3	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/05/23 07:43*	*04/05/23 18:36*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*04/05/23 07:43*	*04/05/23 18:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*04/05/23 07:43*	*04/05/23 18:36*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/05/23 07:43*	*04/05/23 18:36*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Acetophenone	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Anthracene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Atrazine	ND		690	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Benzaldehyde	ND		690	42	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12
Date Collected: 03/29/23 14:50
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Benzo[k]fluoranthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Carbazole	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Chrysene	ND		69	38	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Fluorene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Hexachlorobenzene	ND		69	24	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Naphthalene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Nitrobenzene	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12

Date Collected: 03/29/23 14:50
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
Pyrene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/07/23 09:43*	*04/10/23 16:47*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*04/07/23 09:43*	*04/10/23 16:47*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*04/07/23 09:43*	*04/10/23 16:47*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*04/07/23 09:43*	*04/10/23 16:47*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/07/23 09:43*	*04/10/23 16:47*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*34 - 108*	*04/07/23 09:43*	*04/10/23 16:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1221	ND		18	6.2	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1232	ND		18	4.3	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1242	ND		18	2.6	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1248	ND		18	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1254	ND		18	5.3	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1260	ND		18	5.0	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1262	ND		18	6.2	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1
PCB-1268	ND		18	2.4	ug/Kg	☼	03/31/23 17:05	04/05/23 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*03/31/23 17:05*	*04/05/23 00:47*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*03/31/23 17:05*	*04/05/23 00:47*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*03/31/23 17:05*	*04/05/23 00:47*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*03/31/23 17:05*	*04/05/23 00:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		16	4.1	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Antimony	ND		0.82	0.25	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Arsenic	**8.4**		0.82	0.52	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Barium	**71**		16	2.9	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Beryllium	**0.35**		0.33	0.090	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Cadmium	**0.56**		0.41	0.060	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Calcium	**2600**		410	53	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Chromium	**10**		0.41	0.37	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Cobalt	**9.1**		4.1	0.58	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1

Client Sample ID: SSHS-IRM5A2-MSA-B31
Lab Sample ID: 180-154312-12

Date Collected: 03/29/23 14:50
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	15		2.1	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Iron	22000	B	8.2	8.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Lead	12		0.82	0.72	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Magnesium	2900		410	45	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Manganese	400		1.2	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Nickel	18		3.3	0.41	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Potassium	640	B	410	70	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Selenium	ND		0.82	0.38	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Silver	ND		0.41	0.085	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Sodium	ND		410	42	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Thallium	0.73	J	1.6	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Vanadium	13		4.1	0.65	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1
Zinc	48		1.6	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.9		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	95.1		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13

Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.7	J	21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13

Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*04/05/23 07:43*	*04/05/23 18:58*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/05/23 07:43*	*04/05/23 18:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*04/05/23 07:43*	*04/05/23 18:58*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/05/23 07:43*	*04/05/23 18:58*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Acetophenone	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Anthracene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Atrazine	ND		690	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13
Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Carbazole	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Chrysene	ND		69	38	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Di-n-butyl phthalate	**150**	**J**	340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Fluorene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Naphthalene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13

Date Collected: 03/29/23 14:55
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 94.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
Pyrene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/07/23 09:43*	*04/10/23 17:09*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*04/07/23 09:43*	*04/10/23 17:09*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*04/07/23 09:43*	*04/10/23 17:09*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*04/07/23 09:43*	*04/10/23 17:09*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*04/07/23 09:43*	*04/10/23 17:09*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*04/07/23 09:43*	*04/10/23 17:09*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*03/31/23 17:05*	*04/05/23 01:06*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*03/31/23 17:05*	*04/05/23 01:06*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*03/31/23 17:05*	*04/05/23 01:06*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*03/31/23 17:05*	*04/05/23 01:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		16	4.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Antimony	ND		0.80	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Arsenic	**12**		0.80	0.50	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Barium	**69**		16	2.8	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Beryllium	**0.39**		0.32	0.087	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Cadmium	**0.65**		0.40	0.059	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Calcium	**2000**		400	52	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Chromium	**11**		0.40	0.36	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Cobalt	**10**		4.0	0.56	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Copper	**18**		2.0	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1

Client Sample ID: SSHS-IRM5A2-MSA-B32
Lab Sample ID: 180-154312-13
Date Collected: 03/29/23 14:55
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 94.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	24000	B	8.0	7.8	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Lead	10		0.80	0.70	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Magnesium	2900		400	44	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Manganese	360		1.2	0.22	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Nickel	19		3.2	0.40	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Potassium	710	B	400	68	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Selenium	ND		0.80	0.37	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Silver	ND		0.40	0.083	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Sodium	ND		400	41	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Thallium	0.73	J	1.6	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Vanadium	14		4.0	0.63	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1
Zinc	53		1.6	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.2		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	94.8		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.6	J	20	3.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Methylene Chloride	ND	*+	5.1	4.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Methyl tert-butyl ether	ND	*+	5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
trans-1,3-Dichloropropene	ND	*1	5.1	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*04/05/23 07:43*	*04/05/23 19:21*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*04/05/23 07:43*	*04/05/23 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*04/05/23 07:43*	*04/05/23 19:21*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/05/23 07:43*	*04/05/23 19:21*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Acetophenone	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Anthracene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Atrazine	ND		690	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Benzaldehyde	ND		690	42	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Benzo[k]fluoranthene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Carbazole	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Chrysene	ND		69	38	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Di-n-butyl phthalate	**220**	**J**	340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Fluorene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Hexachlorobenzene	ND		69	24	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Naphthalene	ND		69	13	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Nitrobenzene	ND		690	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14

Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
Pyrene	ND		69	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/07/23 09:43*	*04/10/23 17:31*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*04/07/23 09:43*	*04/10/23 17:31*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*04/07/23 09:43*	*04/10/23 17:31*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*04/07/23 09:43*	*04/10/23 17:31*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*04/07/23 09:43*	*04/10/23 17:31*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*04/07/23 09:43*	*04/10/23 17:31*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1248	ND		17	4.0	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1262	ND		17	5.9	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/31/23 17:05*	*04/05/23 01:25*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/31/23 17:05*	*04/05/23 01:25*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/31/23 17:05*	*04/05/23 01:25*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*03/31/23 17:05*	*04/05/23 01:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		17	4.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Antimony	ND		0.84	0.25	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Arsenic	**6.7**		0.84	0.53	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Barium	**47**		17	3.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Beryllium	**0.28**	**J**	0.34	0.092	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Cadmium	**0.43**		0.42	0.062	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Calcium	**1600**		420	54	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Chromium	**7.7**		0.42	0.38	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Cobalt	**6.1**		4.2	0.59	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Copper	**7.7**		2.1	1.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Iron	**16000**	**B**	8.4	8.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1

Client Sample ID: SSHS-IRM5A2-MSA-B33
Lab Sample ID: 180-154312-14
Date Collected: 03/29/23 15:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		0.84	0.73	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Magnesium	2100		420	46	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Manganese	260		1.3	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Nickel	13		3.4	0.42	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Potassium	450	B	420	71	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Selenium	ND		0.84	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Silver	ND		0.42	0.087	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Sodium	ND		420	43	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Thallium	0.51	J	1.7	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Vanadium	8.6		4.2	0.66	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1
Zinc	36		1.7	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.4		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	97.6		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15
Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15
Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Vinyl chloride	ND	F1	5.2	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*04/05/23 07:43*	*04/05/23 13:36*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*04/05/23 07:43*	*04/05/23 13:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*04/05/23 07:43*	*04/05/23 13:36*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*04/05/23 07:43*	*04/05/23 13:36*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Acetophenone	ND		710	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Anthracene	ND		71	18	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Atrazine	ND		710	150	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15
Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Carbazole	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Chrysene	ND		71	39	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Di-n-butyl phthalate	**270**	**J**	350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Fluorene	ND		71	14	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Isophorone	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Naphthalene	ND		71	14	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15
Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Phenol	ND		350	110	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
Pyrene	ND		71	17	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/07/23 09:43*	*04/10/23 11:41*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*04/07/23 09:43*	*04/10/23 11:41*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*04/07/23 09:43*	*04/10/23 11:41*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*04/07/23 09:43*	*04/10/23 11:41*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/07/23 09:43*	*04/10/23 11:41*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*04/07/23 09:43*	*04/10/23 11:41*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1221	ND		17	6.2	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1242	ND		17	2.6	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1248	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1254	ND		17	5.2	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1260	ND		17	5.0	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1262	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/04/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*03/31/23 17:05*	*04/04/23 19:45*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*03/31/23 17:05*	*04/04/23 19:45*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*03/31/23 17:05*	*04/04/23 19:45*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*03/31/23 17:05*	*04/04/23 19:45*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		12	3.0	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Antimony	ND	F1	0.60	0.18	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Arsenic	**8.7**		0.60	0.38	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Barium	**62**	**F2**	12	2.1	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Beryllium	**0.35**		0.24	0.065	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Cadmium	**0.47**		0.30	0.044	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Calcium	**6200**	**F2 F1**	300	39	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Chromium	**10**		0.30	0.27	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Cobalt	**9.0**		3.0	0.42	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Copper	**15**		1.5	0.91	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Iron	**31000**		27	26	mg/Kg	☼	04/18/23 10:56	04/21/23 14:21	5
Lead	**11**		0.60	0.52	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1

Client Sample ID: SSHS-IRM5A2-MSA-B34
Lab Sample ID: 180-154312-15

Date Collected: 03/29/23 15:05
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 93.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**2800**		300	33	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Manganese	**430**	**F2 B**	0.90	0.17	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Nickel	**19**		2.4	0.30	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Potassium	**650**	**F1**	300	51	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Selenium	ND		0.60	0.28	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Silver	ND		0.30	0.062	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Sodium	**36**	**J**	300	31	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Thallium	**0.20**	**J**	1.2	0.17	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Vanadium	**12**		3.0	0.47	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1
Zinc	**45**	**B F1**	1.2	0.87	mg/Kg	☼	04/03/23 11:11	04/17/23 13:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:40	04/19/23 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.3**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**93.7**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16

Date Collected: 03/29/23 15:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16
Date Collected: 03/29/23 15:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Methyl acetate	ND	*+	26	7.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*04/05/23 07:43*	*04/05/23 19:44*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*04/05/23 07:43*	*04/05/23 19:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*04/05/23 07:43*	*04/05/23 19:44*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*04/05/23 07:43*	*04/05/23 19:44*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Acetophenone	ND		700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Anthracene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Atrazine	ND		700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16
Date Collected: 03/29/23 15:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Carbazole	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Chrysene	ND		70	39	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Fluorene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Naphthalene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16

Date Collected: 03/29/23 15:10
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Phenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
Pyrene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*04/07/23 09:43*	*04/10/23 17:53*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*04/07/23 09:43*	*04/10/23 17:53*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*04/07/23 09:43*	*04/10/23 17:53*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*04/07/23 09:43*	*04/10/23 17:53*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*04/07/23 09:43*	*04/10/23 17:53*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*34 - 108*	*04/07/23 09:43*	*04/10/23 17:53*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*03/31/23 17:05*	*04/05/23 01:44*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/31/23 17:05*	*04/05/23 01:44*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*03/31/23 17:05*	*04/05/23 01:44*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*03/31/23 17:05*	*04/05/23 01:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		17	4.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Antimony	ND		0.85	0.26	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Arsenic	**12**		0.85	0.54	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Barium	**56**		17	3.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Beryllium	**0.34**		0.34	0.093	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Cadmium	**0.53**		0.43	0.063	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Calcium	**14000**		430	55	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Chromium	**23**		0.43	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Cobalt	**7.4**		4.3	0.60	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Copper	**29**		2.1	1.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Iron	**20000**	**B**	8.5	8.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Lead	**10**		0.85	0.74	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Magnesium	**2700**		430	47	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1

Client Sample ID: SSHS-IRM5A2-MSA-B35
Lab Sample ID: 180-154312-16

Date Collected: 03/29/23 15:10
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**440**		1.3	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Nickel	**17**		3.4	0.43	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Potassium	**660**	**B**	430	73	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Selenium	ND		0.85	0.39	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Silver	ND		0.43	0.089	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Sodium	ND		430	44	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Thallium	**0.68**	**J**	1.7	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Vanadium	**11**		4.3	0.68	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1
Zinc	**44**		1.7	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:31	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.1**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**95.9**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17

Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17

Date Collected: 03/29/23 15:15
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Methyl acetate	ND	*+	25	7.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Methylene Chloride	ND	*+	4.9	4.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Methyl tert-butyl ether	ND	*+	4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
trans-1,3-Dichloropropene	ND	*1	4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/05/23 07:43*	*04/05/23 20:07*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*04/05/23 07:43*	*04/05/23 20:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*04/05/23 07:43*	*04/05/23 20:07*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/05/23 07:43*	*04/05/23 20:07*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Acetophenone	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Anthracene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Atrazine	ND		680	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Carbazole	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Chrysene	ND		68	37	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Fluorene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Isophorone	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2-Methylphenol	ND		330	97	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Naphthalene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17
Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Phenol	ND		330	100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
Pyrene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/07/23 09:43*	*04/10/23 18:14*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*04/07/23 09:43*	*04/10/23 18:14*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*04/07/23 09:43*	*04/10/23 18:14*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*04/07/23 09:43*	*04/10/23 18:14*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*04/07/23 09:43*	*04/10/23 18:14*	*1*
2,4,6-Tribromophenol (Surr)	*49*		*34 - 108*	*04/07/23 09:43*	*04/10/23 18:14*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*03/31/23 17:05*	*04/05/23 02:03*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*03/31/23 17:05*	*04/05/23 02:03*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*03/31/23 17:05*	*04/05/23 02:03*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*03/31/23 17:05*	*04/05/23 02:03*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		16	4.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Antimony	ND		0.79	0.24	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Arsenic	**3.8**		0.79	0.50	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Barium	**41**		16	2.8	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Beryllium	**0.22**	**J**	0.32	0.086	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Cadmium	**0.41**		0.40	0.058	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Calcium	**1200**		400	51	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Chromium	**7.6**		0.40	0.36	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Cobalt	**5.6**		4.0	0.56	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Copper	**29**		2.0	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Iron	**16000**	**B**	7.9	7.7	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Lead	**5.1**		0.79	0.69	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Magnesium	**2000**		400	44	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Manganese	**230**		1.2	0.22	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1

Client Sample ID: SSHS-IRM5A2-MSA-B36
Lab Sample ID: 180-154312-17

Date Collected: 03/29/23 15:15
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**12**		3.2	0.40	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Potassium	**270**	**J B**	400	67	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Selenium	ND		0.79	0.37	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Silver	ND		0.40	0.082	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Sodium	ND		400	41	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Thallium	**0.48**	**J**	1.6	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Vanadium	**9.7**		4.0	0.63	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1
Zinc	**33**		1.6	1.1	mg/Kg	☼	04/06/23 12:36	04/20/23 16:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/17/23 10:30	04/19/23 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.0**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**97.0**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18

Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18
Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Methylene Chloride	ND	*+	5.0	4.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Methyl tert-butyl ether	ND	*+	5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
trans-1,3-Dichloropropene	ND	*1	5.0	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*04/05/23 07:43*	*04/05/23 20:30*	*1*
Dibromofluoromethane (Surr)	*119*		*69 - 126*	*04/05/23 07:43*	*04/05/23 20:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*139*	*S1+*	*73 - 135*	*04/05/23 07:43*	*04/05/23 20:30*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*04/05/23 07:43*	*04/05/23 20:30*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Acetophenone	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Anthracene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Atrazine	ND		680	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18
Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Carbazole	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Chrysene	ND		68	38	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Dibenz(a,h)anthracene	ND		68	44	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Fluorene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2-Methylphenol	ND		340	97	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Naphthalene	ND		68	13	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18

Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
Pyrene	ND		68	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/07/23 09:43*	*04/10/23 18:36*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*04/07/23 09:43*	*04/10/23 18:36*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*04/07/23 09:43*	*04/10/23 18:36*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*04/07/23 09:43*	*04/10/23 18:36*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*04/07/23 09:43*	*04/10/23 18:36*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*34 - 108*	*04/07/23 09:43*	*04/10/23 18:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1221	ND		17	6.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/31/23 17:05*	*04/05/23 02:22*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/31/23 17:05*	*04/05/23 02:22*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*03/31/23 17:05*	*04/05/23 02:22*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*03/31/23 17:05*	*04/05/23 02:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		16	4.1	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Antimony	ND		0.82	0.25	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Arsenic	**7.7**		0.82	0.51	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Barium	**50**		16	2.9	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Beryllium	**0.28**	**J**	0.33	0.089	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Cadmium	**0.50**		0.41	0.060	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Calcium	**1700**		410	53	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Chromium	**8.8**		0.41	0.37	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Cobalt	**6.8**		4.1	0.58	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Copper	**14**		2.0	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Iron	**20000**	**B**	8.2	8.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Lead	**14**		0.82	0.71	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Magnesium	**2500**		410	45	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Manganese	**250**		1.2	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Nickel	**15**		3.3	0.41	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1

Client Sample ID: SSHS-IRM5A2-MSA-B37
Lab Sample ID: 180-154312-18

Date Collected: 03/29/23 15:20
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**520**	**B**	410	70	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Selenium	ND		0.82	0.38	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Silver	ND		0.41	0.085	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Sodium	ND		410	42	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Thallium	**0.62**	**J**	1.6	0.23	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Vanadium	**12**		4.1	0.65	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1
Zinc	**40**		1.6	1.2	mg/Kg	☼	04/06/23 12:36	04/20/23 16:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	04/17/23 10:30	04/19/23 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.5**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**95.5**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19

Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19
Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Methylene Chloride	ND	*+	5.2	4.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Methyl tert-butyl ether	ND	*+	5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
trans-1,3-Dichloropropene	ND	*1	5.2	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/05/23 07:43	04/05/23 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*04/05/23 07:43*	*04/05/23 20:52*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/05/23 07:43*	*04/05/23 20:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*04/05/23 07:43*	*04/05/23 20:52*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/05/23 07:43*	*04/05/23 20:52*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Acetophenone	ND		700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Anthracene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Atrazine	ND		700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19
Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Carbazole	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Chrysene	ND		70	38	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Di-n-butyl phthalate	**190**	**J**	340	150	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Fluorene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Indeno[1,2,3-cd]pyrene	ND		70	34	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Isophorone	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Naphthalene	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
Phenol	ND		340	100	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19

Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/07/23 09:43	04/10/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*04/07/23 09:43*	*04/10/23 18:58*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*04/07/23 09:43*	*04/10/23 18:58*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*04/07/23 09:43*	*04/10/23 18:58*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/07/23 09:43*	*04/10/23 18:58*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*04/07/23 09:43*	*04/10/23 18:58*	*1*
2,4,6-Tribromophenol (Surr)	*41*		*34 - 108*	*04/07/23 09:43*	*04/10/23 18:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1232	ND		17	4.2	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1260	ND		17	4.9	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*03/31/23 17:05*	*04/05/23 02:41*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*03/31/23 17:05*	*04/05/23 02:41*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*03/31/23 17:05*	*04/05/23 02:41*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*03/31/23 17:05*	*04/05/23 02:41*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		13	3.3	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Antimony	ND		0.66	0.20	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Arsenic	**7.7**		0.66	0.41	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Barium	**73**		13	2.4	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Beryllium	**0.38**		0.26	0.072	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Cadmium	**0.60**		0.33	0.049	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Calcium	**3400**		330	43	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Chromium	**12**		0.33	0.30	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Cobalt	**10**		3.3	0.47	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Copper	**15**		1.7	1.0	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Iron	**21000**	**B**	6.6	6.4	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Lead	**11**		0.66	0.58	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Magnesium	**3100**		330	36	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Manganese	**380**		0.99	0.18	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Nickel	**20**		2.6	0.33	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Potassium	**760**	**B**	330	56	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1

Client Sample ID: SSHS-IRM5A2-MSA-B38
Lab Sample ID: 180-154312-19

Date Collected: 03/29/23 15:25
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.66	0.30	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Silver	ND		0.33	0.069	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Sodium	**38**	**J**	330	34	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Thallium	**0.69**	**J**	1.3	0.19	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Vanadium	**13**		3.3	0.52	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1
Zinc	**49**		1.3	0.96	mg/Kg	☼	04/06/23 12:36	04/20/23 16:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.020	mg/Kg	☼	04/17/23 10:30	04/19/23 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.3**		0.1	0.1	%			03/31/23 10:30	1
Percent Solids (SM22 2540G)	**95.7**		0.1	0.1	%			03/31/23 10:30	1

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20

Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	3.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Benzene	ND		4.6	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Bromoform	ND		4.6	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Bromomethane	ND		4.6	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
2-Butanone (MEK)	ND		4.6	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Carbon disulfide	ND		4.6	3.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Carbon tetrachloride	ND		4.6	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Chlorobenzene	ND		4.6	1.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Chlorobromomethane	ND		4.6	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Chlorodibromomethane	ND		4.6	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Chloroethane	ND		4.6	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Chloroform	ND		4.6	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Chloromethane	ND		4.6	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
cis-1,2-Dichloroethene	ND		4.6	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
cis-1,3-Dichloropropene	ND		4.6	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Cyclohexane	ND		4.6	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2-Dibromo-3-Chloropropane	ND		4.6	3.0	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2-Dibromoethane	ND		4.6	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2-Dichlorobenzene	ND		4.6	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,3-Dichlorobenzene	ND		4.6	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,4-Dichlorobenzene	ND		4.6	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Dichlorobromomethane	ND		4.6	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Dichlorodifluoromethane	ND	*+	4.6	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,1-Dichloroethane	ND		4.6	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2-Dichloroethane	ND		4.6	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,1-Dichloroethene	ND		4.6	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2-Dichloroethene, Total	ND		9.2	3.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2-Dichloropropane	ND		4.6	1.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		920	33	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Ethylbenzene	ND		4.6	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
2-Hexanone	ND		4.6	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Isopropylbenzene	ND		4.6	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Methyl acetate	ND		23	6.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Methylcyclohexane	ND		4.6	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Methylene Chloride	ND		4.6	4.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
4-Methyl-2-pentanone (MIBK)	ND		4.6	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Methyl tert-butyl ether	ND		4.6	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
m-Xylene & p-Xylene	ND		4.6	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
o-Xylene	ND		4.6	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Styrene	ND		4.6	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,1,2,2-Tetrachloroethane	ND		4.6	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Tetrachloroethene	ND		4.6	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Toluene	ND		4.6	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
trans-1,2-Dichloroethene	ND		4.6	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
trans-1,3-Dichloropropene	ND		4.6	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2,3-Trichlorobenzene	ND		4.6	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,2,4-Trichlorobenzene	ND		4.6	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,1,1-Trichloroethane	ND		4.6	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,1,2-Trichloroethane	ND		4.6	0.91	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Trichloroethene	ND		4.6	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Trichlorofluoromethane	ND		4.6	3.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Vinyl chloride	ND		4.6	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1
Xylenes, Total	ND		9.2	6.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*04/06/23 07:38*	*04/06/23 15:28*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*04/06/23 07:38*	*04/06/23 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*04/06/23 07:38*	*04/06/23 15:28*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/06/23 07:38*	*04/06/23 15:28*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Acetophenone	ND		700	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Anthracene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Atrazine	ND		700	150	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Carbazole	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Chrysene	ND		70	39	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Di-n-butyl phthalate	**190**	**J**	350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Fluorene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Isophorone	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Naphthalene	ND		70	14	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Phenol	ND		350	110	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
Pyrene	ND		70	17	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20

Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/07/23 09:43	04/10/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*44 - 105*	*04/07/23 09:43*	*04/10/23 19:20*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*04/07/23 09:43*	*04/10/23 19:20*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/07/23 09:43*	*04/10/23 19:20*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*04/07/23 09:43*	*04/10/23 19:20*	*1*
Terphenyl-d14 (Surr)	*66*		*39 - 105*	*04/07/23 09:43*	*04/10/23 19:20*	*1*
2,4,6-Tribromophenol (Surr)	*41*		*34 - 108*	*04/07/23 09:43*	*04/10/23 19:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1248	ND		17	4.1	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1254	ND		17	5.1	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1262	ND		17	6.0	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:05	04/05/23 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*03/31/23 17:05*	*04/05/23 03:00*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*03/31/23 17:05*	*04/05/23 03:00*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*03/31/23 17:05*	*04/05/23 03:00*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*03/31/23 17:05*	*04/05/23 03:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3800**		18	4.5	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Antimony	**0.44**	**J F1**	0.90	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Arsenic	**4.5**		0.90	0.57	mg/Kg	☼	04/10/23 08:17	04/26/23 21:50	1
Barium	**38**		18	3.2	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Beryllium	**0.17**	**J F1**	0.36	0.099	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Cadmium	**0.24**	**J F1**	0.45	0.066	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Calcium	**970**	**F1**	450	58	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Chromium	**4.9**		0.45	0.41	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Cobalt	**3.7**	**J**	4.5	0.64	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Copper	**8.5**		2.3	1.4	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Iron	**11000**		9.0	8.8	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Lead	**8.3**		0.90	0.79	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Magnesium	**1200**	**F1**	450	50	mg/Kg	☼	04/10/23 08:17	04/26/23 21:50	1
Manganese	**180**		1.4	0.25	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Nickel	**8.0**		3.6	0.46	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Potassium	**86**	**J**	450	77	mg/Kg	☼	04/10/23 08:17	04/26/23 21:50	1
Selenium	ND	F1	0.90	0.42	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1

Client Sample ID: SSHS-IRM5A2-DUP290
Lab Sample ID: 180-154312-20
Date Collected: 03/29/23 00:00
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 95.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	F1	0.45	0.094	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Sodium	ND	F1	450	46	mg/Kg	☼	04/10/23 08:17	04/26/23 21:50	1
Thallium	**0.46**	**J F1**	1.8	0.26	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Vanadium	**6.0**		4.5	0.72	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1
Zinc	**24**	**F1 B**	1.8	1.3	mg/Kg	☼	04/10/23 08:17	04/22/23 02:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	04/17/23 10:40	04/19/23 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.7**		0.1	0.1	%			03/31/23 17:22	1
Percent Solids (SM22 2540G)	**95.3**		0.1	0.1	%			03/31/23 17:22	1

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21
Date Collected: 03/29/23 15:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 98.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
cis-1,3-Dichloropropene	ND		4.9	2.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21

Date Collected: 03/29/23 15:30
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 98.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Methyl acetate	ND	*+	24	7.2	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Methylene Chloride	ND	*+	4.9	4.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Methyl tert-butyl ether	ND	*+	4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
trans-1,3-Dichloropropene	ND	*1	4.9	2.2	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/05/23 07:43	04/05/23 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*04/05/23 07:43*	*04/05/23 13:13*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*04/05/23 07:43*	*04/05/23 13:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*136*	*S1+*	*73 - 135*	*04/05/23 07:43*	*04/05/23 13:13*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*04/05/23 07:43*	*04/05/23 13:13*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Acetophenone	ND		670	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Anthracene	ND		67	17	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Atrazine	ND		670	150	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Benzaldehyde	ND	*+	670	42	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21
Date Collected: 03/29/23 15:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 98.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Carbazole	ND		67	16	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Chrysene	ND		67	37	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,4-Dinitrophenol	ND	*1	3300	2100	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Fluorene	ND		67	13	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Isophorone	ND		330	130	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Naphthalene	ND		67	13	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Phenol	ND		330	100	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
Pyrene	ND		67	16	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21

Date Collected: 03/29/23 15:30
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 98.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/03/23 11:27	04/06/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/03/23 11:27*	*04/06/23 14:29*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*04/03/23 11:27*	*04/06/23 14:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*04/03/23 11:27*	*04/06/23 14:29*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/03/23 11:27*	*04/06/23 14:29*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*04/03/23 11:27*	*04/06/23 14:29*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*04/03/23 11:27*	*04/06/23 14:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1221	ND		17	5.9	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1232	ND		17	4.0	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1242	ND		17	2.4	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1248	ND		17	4.0	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1254	ND		17	5.0	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1260	ND		17	4.7	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1262	ND		17	5.8	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1
PCB-1268	ND		17	2.2	ug/Kg	☼	03/31/23 17:28	04/04/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*03/31/23 17:28*	*04/04/23 18:30*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*03/31/23 17:28*	*04/04/23 18:30*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*03/31/23 17:28*	*04/04/23 18:30*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*03/31/23 17:28*	*04/04/23 18:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		11	2.7	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Antimony	**0.22**	**J**	0.54	0.16	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Arsenic	**2.6**		0.54	0.34	mg/Kg	☼	04/10/23 08:17	04/26/23 22:10	1
Barium	**42**		11	1.9	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Beryllium	**0.26**		0.21	0.058	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Cadmium	**0.33**		0.27	0.039	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Calcium	**720**		270	35	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Chromium	**5.7**		0.27	0.24	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Cobalt	**5.0**		2.7	0.38	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Copper	**35**		1.3	0.81	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Iron	**15000**		5.4	5.2	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Lead	**2.2**		0.54	0.47	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Magnesium	**1800**		270	29	mg/Kg	☼	04/10/23 08:17	04/26/23 22:10	1
Manganese	**190**		0.80	0.15	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Nickel	**13**		2.1	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Potassium	**180**	**J**	270	46	mg/Kg	☼	04/10/23 08:17	04/26/23 22:10	1
Selenium	ND		0.54	0.25	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Silver	ND		0.27	0.056	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1

Client Sample ID: SSHS-IRM5A2-MSA-B39
Lab Sample ID: 180-154312-21
Date Collected: 03/29/23 15:30
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 98.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		270	27	mg/Kg	☼	04/10/23 08:17	04/26/23 22:10	1
Thallium	**0.36**	**J**	1.1	0.15	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Vanadium	**6.8**		2.7	0.42	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1
Zinc	**33**	**B**	1.1	0.78	mg/Kg	☼	04/10/23 08:17	04/22/23 02:44	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.030	0.019	mg/Kg	☼	04/17/23 10:40	04/19/23 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.7**		0.1	0.1	%			03/31/23 17:22	1
Percent Solids (SM22 2540G)	**98.3**		0.1	0.1	%			03/31/23 17:22	1

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Benzene	ND		4.7	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Bromomethane	ND		4.7	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
2-Butanone (MEK)	ND		4.7	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Carbon disulfide	ND		4.7	3.7	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Chloroethane	ND		4.7	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Cyclohexane	ND		4.7	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.0	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Dichlorodifluoromethane	ND	*+	4.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2-Dichloroethane	ND		4.7	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2-Dichloroethene, Total	ND		9.4	3.8	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2-Dichloropropane	ND		4.7	1.2	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,4-Dioxane	ND		940	33	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Ethylbenzene	ND		4.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		4.7	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Isopropylbenzene	ND		4.7	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Methyl acetate	ND		23	6.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Methylene Chloride	ND		4.7	4.2	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Styrene	ND		4.7	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Toluene	ND		4.7	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
trans-1,2-Dichloroethene	ND		4.7	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,1,2-Trichloroethane	ND		4.7	0.93	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1
Xylenes, Total	ND		9.4	6.8	ug/Kg	☼	04/06/23 07:38	04/06/23 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*04/06/23 07:38*	*04/06/23 14:43*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*04/06/23 07:38*	*04/06/23 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*04/06/23 07:38*	*04/06/23 14:43*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/06/23 07:38*	*04/06/23 14:43*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Acetophenone	ND		680	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Anthracene	ND		68	18	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Atrazine	ND		680	150	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Benzaldehyde	ND	*+	680	42	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Carbazole	ND		68	16	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2-Chlorophenol	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Chrysene	ND		68	38	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Dibenzofuran	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Di-n-butyl phthalate	**220**	**J**	340	150	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,4-Dinitrophenol	ND	*1	3400	2100	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Fluorene	ND		68	13	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2-Methylphenol	ND		340	97	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Methylphenol, 3 & 4	ND		340	99	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Naphthalene	ND		68	13	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2-Nitrophenol	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
Pyrene	ND		68	16	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22

Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/05/23 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*04/03/23 11:27*	*04/05/23 18:45*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*04/03/23 11:27*	*04/05/23 18:45*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*04/03/23 11:27*	*04/05/23 18:45*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*04/03/23 11:27*	*04/05/23 18:45*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*04/03/23 11:27*	*04/05/23 18:45*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*04/03/23 11:27*	*04/05/23 18:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1221	ND		17	6.0	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1232	ND		17	4.1	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1242	ND		17	2.5	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1248	ND		17	4.0	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1254	ND		17	5.0	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1260	ND		17	4.8	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1262	ND		17	5.9	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1
PCB-1268	ND		17	2.3	ug/Kg	☼	03/31/23 17:28	04/04/23 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*03/31/23 17:28*	*04/04/23 18:48*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*03/31/23 17:28*	*04/04/23 18:48*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*03/31/23 17:28*	*04/04/23 18:48*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*03/31/23 17:28*	*04/04/23 18:48*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		16	4.1	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Antimony	**0.81**		0.81	0.25	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Arsenic	**12**		0.81	0.51	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Barium	**88**		16	2.9	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Beryllium	**0.47**		0.32	0.088	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Cadmium	**0.17**	**J**	0.41	0.060	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Calcium	**3200**		410	52	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Chromium	**14**		0.41	0.37	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Cobalt	**11**		4.1	0.57	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Copper	**24**		2.0	1.2	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Iron	**25000**	**B**	8.1	7.9	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Lead	**15**		0.81	0.71	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Magnesium	**3500**		410	45	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Manganese	**630**		1.2	0.23	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Nickel	**23**		3.2	0.41	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Potassium	**930**	**B**	410	69	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Selenium	ND		0.81	0.37	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Silver	ND		0.41	0.084	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Sodium	**70**	**J**	410	42	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1

Client Sample ID: SSHS-IRM5A2-MSA-B40
Lab Sample ID: 180-154312-22
Date Collected: 03/29/23 15:35
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.73	J	1.6	0.23	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Vanadium	16		4.1	0.64	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1
Zinc	60		1.6	1.2	mg/Kg	☼	04/04/23 09:10	04/06/23 17:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/17/23 10:40	04/19/23 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.2		0.1	0.1	%			03/31/23 17:22	1
Percent Solids (SM22 2540G)	97.8		0.1	0.1	%			03/31/23 17:22	1

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23
Date Collected: 03/29/23 15:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Dichlorodifluoromethane	ND	*+	5.1	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23

Date Collected: 03/29/23 15:40
Matrix: Solid

Date Received: 03/30/23 10:00
Percent Solids: 97.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/06/23 07:38	04/06/23 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/06/23 07:38*	*04/06/23 15:05*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*04/06/23 07:38*	*04/06/23 15:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*04/06/23 07:38*	*04/06/23 15:05*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*04/06/23 07:38*	*04/06/23 15:05*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Acetophenone	ND		690	120	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Anthracene	ND		69	18	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Atrazine	ND		690	150	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Benzaldehyde	ND	*+	690	42	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23
Date Collected: 03/29/23 15:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		69	16	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Chrysene	ND		69	38	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Di-n-butyl phthalate	**280**	**J**	340	150	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,4-Dinitrophenol	ND	*1	3400	2100	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Fluorene	ND		69	13	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Isophorone	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Naphthalene	ND		69	13	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Phenol	ND		340	100	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
Pyrene	ND		69	16	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23

Date Collected: 03/29/23 15:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/03/23 11:27	04/04/23 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*04/03/23 11:27*	*04/04/23 21:27*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*04/03/23 11:27*	*04/04/23 21:27*	*1*
Nitrobenzene-d5 (Surr)	*107*	*S1+*	*46 - 105*	*04/03/23 11:27*	*04/04/23 21:27*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*04/03/23 11:27*	*04/04/23 21:27*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/03/23 11:27*	*04/04/23 21:27*	*1*
2,4,6-Tribromophenol (Surr)	*41*		*34 - 108*	*04/03/23 11:27*	*04/04/23 21:27*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1221	ND		17	5.9	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1232	ND		17	4.0	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1242	ND		17	2.4	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1248	ND		17	4.0	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1254	ND		17	5.0	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1260	ND		17	4.7	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1262	ND		17	5.8	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1
PCB-1268	ND		17	2.2	ug/Kg	☼	03/31/23 17:28	04/04/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*03/31/23 17:28*	*04/04/23 19:07*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*03/31/23 17:28*	*04/04/23 19:07*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*03/31/23 17:28*	*04/04/23 19:07*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*03/31/23 17:28*	*04/04/23 19:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		12	3.0	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Antimony	**0.29**	**J**	0.60	0.18	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Arsenic	**12**		0.60	0.38	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Barium	**59**		12	2.1	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Beryllium	**0.32**		0.24	0.066	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Cadmium	**0.43**		0.30	0.044	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Calcium	**10000**		300	39	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Chromium	**8.9**		0.30	0.27	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Cobalt	**7.8**		3.0	0.42	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Copper	**14**		1.5	0.91	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Iron	**18000**		6.0	5.9	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Lead	**9.7**		0.60	0.53	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Magnesium	**2600**		300	33	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Manganese	**540**		0.91	0.17	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Nickel	**16**		2.4	0.30	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Potassium	**620**		300	51	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Selenium	ND		0.60	0.28	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Silver	ND		0.30	0.063	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Sodium	**51**	**J**	300	31	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Thallium	**0.49**	**J**	1.2	0.17	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B41
Lab Sample ID: 180-154312-23
Date Collected: 03/29/23 15:40
Matrix: Solid
Date Received: 03/30/23 10:00
Percent Solids: 97.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	9.8		3.0	0.48	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1
Zinc	43	B	1.2	0.88	mg/Kg	☼	04/10/23 08:17	04/22/23 02:59	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/17/23 10:40	04/19/23 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.5		0.1	0.1	%			03/31/23 17:22	1
Percent Solids (SM22 2540G)	97.5		0.1	0.1	%			03/31/23 17:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-431387/8
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/05/23 12:50	1
Benzene	ND		5.0	1.4	ug/Kg			04/05/23 12:50	1
Bromoform	ND		5.0	2.5	ug/Kg			04/05/23 12:50	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/05/23 12:50	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/05/23 12:50	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/05/23 12:50	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/05/23 12:50	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/05/23 12:50	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/05/23 12:50	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/05/23 12:50	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/05/23 12:50	1
Chloroform	ND		5.0	1.6	ug/Kg			04/05/23 12:50	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/05/23 12:50	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/05/23 12:50	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/05/23 12:50	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/05/23 12:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/05/23 12:50	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/05/23 12:50	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/05/23 12:50	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/05/23 12:50	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/05/23 12:50	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/05/23 12:50	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/05/23 12:50	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/05/23 12:50	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/05/23 12:50	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/05/23 12:50	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/05/23 12:50	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/05/23 12:50	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/05/23 12:50	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/05/23 12:50	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/05/23 12:50	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/05/23 12:50	1
Methyl acetate	ND		25	7.4	ug/Kg			04/05/23 12:50	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/05/23 12:50	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/05/23 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/05/23 12:50	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/05/23 12:50	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/05/23 12:50	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/05/23 12:50	1
Styrene	ND		5.0	1.5	ug/Kg			04/05/23 12:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/05/23 12:50	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/05/23 12:50	1
Toluene	ND		5.0	1.4	ug/Kg			04/05/23 12:50	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/05/23 12:50	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/05/23 12:50	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/05/23 12:50	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/05/23 12:50	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/05/23 12:50	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431387/8
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/05/23 12:50	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/05/23 12:50	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/05/23 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/05/23 12:50	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/05/23 12:50	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/05/23 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*		*04/05/23 12:50*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*		*04/05/23 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*		*04/05/23 12:50*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*		*04/05/23 12:50*	*1*

Lab Sample ID: LCS 180-431387/5
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	55.4		ug/Kg		138	23 - 170
Benzene	40.0	39.3		ug/Kg		98	77 - 120
Bromoform	40.0	41.4		ug/Kg		103	37 - 147
Bromomethane	40.0	34.0		ug/Kg		85	47 - 149
2-Butanone (MEK)	40.0	51.4		ug/Kg		128	39 - 157
Carbon disulfide	40.0	46.1		ug/Kg		115	40 - 156
Carbon tetrachloride	40.0	41.0		ug/Kg		103	73 - 130
Chlorobenzene	40.0	36.1		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	43.5		ug/Kg		109	64 - 128
Chlorodibromomethane	40.0	37.0		ug/Kg		92	60 - 134
Chloroethane	40.0	35.9		ug/Kg		90	37 - 159
Chloroform	40.0	40.7		ug/Kg		102	73 - 126
Chloromethane	40.0	42.0		ug/Kg		105	46 - 151
cis-1,2-Dichloroethene	40.0	40.9		ug/Kg		102	77 - 118
cis-1,3-Dichloropropene	40.0	44.0		ug/Kg		110	73 - 127
Cyclohexane	40.0	41.4		ug/Kg		103	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	44.1		ug/Kg		110	30 - 163
1,2-Dibromoethane	40.0	38.9		ug/Kg		97	59 - 137
1,2-Dichlorobenzene	40.0	36.1		ug/Kg		90	76 - 120
1,3-Dichlorobenzene	40.0	35.9		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	36.3		ug/Kg		91	79 - 120
Dichlorobromomethane	40.0	41.5		ug/Kg		104	75 - 123
Dichlorodifluoromethane	40.0	59.4		ug/Kg		148	26 - 149
1,1-Dichloroethane	40.0	41.0		ug/Kg		103	73 - 124
1,2-Dichloroethane	40.0	49.3		ug/Kg		123	64 - 140
1,1-Dichloroethene	40.0	42.9		ug/Kg		107	55 - 136
1,2-Dichloroethene, Total	80.0	81.7		ug/Kg		102	77 - 119
1,2-Dichloropropane	40.0	39.8		ug/Kg		100	77 - 119
1,4-Dioxane	800	880	J	ug/Kg		110	18 - 166
Ethylbenzene	40.0	35.3		ug/Kg		88	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431387/5
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	43.0		ug/Kg		107	42 - 152
Isopropylbenzene	40.0	35.0		ug/Kg		87	70 - 125
Methyl acetate	80.0	138	*+	ug/Kg		173	20 - 170
Methylcyclohexane	40.0	39.0		ug/Kg		97	70 - 125
Methylene Chloride	40.0	51.6		ug/Kg		129	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.9		ug/Kg		102	51 - 147
Methyl tert-butyl ether	40.0	47.6		ug/Kg		119	58 - 132
m-Xylene & p-Xylene	40.0	37.4		ug/Kg		93	77 - 120
o-Xylene	40.0	36.7		ug/Kg		92	78 - 118
Styrene	40.0	37.4		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	44.4		ug/Kg		111	36 - 170
Tetrachloroethene	40.0	33.8		ug/Kg		85	71 - 121
Toluene	40.0	32.3		ug/Kg		81	76 - 120
trans-1,2-Dichloroethene	40.0	40.7		ug/Kg		102	75 - 122
trans-1,3-Dichloropropene	40.0	37.0		ug/Kg		93	68 - 133
1,2,3-Trichlorobenzene	40.0	40.7		ug/Kg		102	29 - 166
1,2,4-Trichlorobenzene	40.0	39.4		ug/Kg		98	22 - 170
1,1,1-Trichloroethane	40.0	40.9		ug/Kg		102	72 - 134
1,1,2-Trichloroethane	40.0	36.1		ug/Kg		90	66 - 128
Trichloroethene	40.0	40.7		ug/Kg		102	69 - 118
Trichlorofluoromethane	40.0	34.5		ug/Kg		86	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	41.3		ug/Kg		103	59 - 135
Vinyl chloride	40.0	38.8		ug/Kg		97	64 - 134
Xylenes, Total	80.0	74.1		ug/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Lab Sample ID: LCSD 180-431387/4
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	53.0		ug/Kg		132	23 - 170	4	35
Benzene	40.0	43.0		ug/Kg		108	77 - 120	9	20
Bromoform	40.0	45.3		ug/Kg		113	37 - 147	9	23
Bromomethane	40.0	30.7		ug/Kg		77	47 - 149	10	25
2-Butanone (MEK)	40.0	48.2		ug/Kg		120	39 - 157	6	33
Carbon disulfide	40.0	49.4		ug/Kg		124	40 - 156	7	25
Carbon tetrachloride	40.0	40.6		ug/Kg		101	73 - 130	1	21
Chlorobenzene	40.0	37.8		ug/Kg		95	79 - 122	5	20
Chlorobromomethane	40.0	46.3		ug/Kg		116	64 - 128	6	20
Chlorodibromomethane	40.0	43.7		ug/Kg		109	60 - 134	17	40
Chloroethane	40.0	32.9		ug/Kg		82	37 - 159	9	25
Chloroform	40.0	43.0		ug/Kg		108	73 - 126	6	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-431387/4
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	42.4		ug/Kg		106	46 - 151	1	33
cis-1,2-Dichloroethene			40.0	43.6		ug/Kg		109	77 - 118	6	20
cis-1,3-Dichloropropene			40.0	48.3		ug/Kg		121	73 - 127	9	20
Cyclohexane			40.0	44.3		ug/Kg		111	63 - 143	7	25
1,2-Dibromo-3-Chloropropane			40.0	49.4		ug/Kg		123	30 - 163	11	34
1,2-Dibromoethane			40.0	45.0		ug/Kg		113	59 - 137	15	20
1,2-Dichlorobenzene			40.0	38.3		ug/Kg		96	76 - 120	6	20
1,3-Dichlorobenzene			40.0	37.6		ug/Kg		94	77 - 121	5	20
1,4-Dichlorobenzene			40.0	38.0		ug/Kg		95	79 - 120	4	20
Dichlorobromomethane			40.0	44.0		ug/Kg		110	75 - 123	6	20
Dichlorodifluoromethane			40.0	52.5		ug/Kg		131	26 - 149	12	24
1,1-Dichloroethane			40.0	43.7		ug/Kg		109	73 - 124	6	20
1,2-Dichloroethane			40.0	51.3		ug/Kg		128	64 - 140	4	20
1,1-Dichloroethene			40.0	42.0		ug/Kg		105	55 - 136	2	21
1,2-Dichloroethene, Total			80.0	86.7		ug/Kg		108	77 - 119	6	20
1,2-Dichloropropane			40.0	43.4		ug/Kg		109	77 - 119	9	20
1,4-Dioxane			800	1010		ug/Kg		127	18 - 166	14	40
Ethylbenzene			40.0	36.8		ug/Kg		92	79 - 119	4	20
2-Hexanone			40.0	46.9		ug/Kg		117	42 - 152	9	30
Isopropylbenzene			40.0	35.7		ug/Kg		89	70 - 125	2	21
Methyl acetate			80.0	156	*+	ug/Kg		195	20 - 170	12	33
Methylcyclohexane			40.0	41.8		ug/Kg		104	70 - 125	7	22
Methylene Chloride			40.0	56.4	*+	ug/Kg		141	67 - 131	9	32
4-Methyl-2-pentanone (MIBK)			40.0	52.2		ug/Kg		131	51 - 147	24	27
Methyl tert-butyl ether			40.0	53.3	*+	ug/Kg		133	58 - 132	11	24
m-Xylene & p-Xylene			40.0	38.6		ug/Kg		97	77 - 120	3	20
o-Xylene			40.0	37.9		ug/Kg		95	78 - 118	3	20
Styrene			40.0	39.2		ug/Kg		98	80 - 120	5	20
1,1,2,2-Tetrachloroethane			40.0	51.0		ug/Kg		127	36 - 170	14	23
Tetrachloroethene			40.0	37.7		ug/Kg		94	71 - 121	11	21
Toluene			40.0	38.0		ug/Kg		95	76 - 120	16	20
trans-1,2-Dichloroethene			40.0	43.0		ug/Kg		108	75 - 122	5	20
trans-1,3-Dichloropropene			40.0	45.8	*1	ug/Kg		114	68 - 133	21	20
1,2,3-Trichlorobenzene			40.0	43.0		ug/Kg		107	29 - 166	5	40
1,2,4-Trichlorobenzene			40.0	42.7		ug/Kg		107	22 - 170	8	29
1,1,1-Trichloroethane			40.0	41.4		ug/Kg		103	72 - 134	1	20
1,1,2-Trichloroethane			40.0	43.7		ug/Kg		109	66 - 128	19	21
Trichloroethene			40.0	40.9		ug/Kg		102	69 - 118	0	20
Trichlorofluoromethane			40.0	30.4		ug/Kg		76	32 - 149	13	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	41.9		ug/Kg		105	59 - 135	1	28
Vinyl chloride			40.0	38.6		ug/Kg		96	64 - 134	1	23
Xylenes, Total			80.0	76.5		ug/Kg		96	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-431387/4
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*67 - 134*

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		40.5	35.3		ug/Kg	☼	87	23 - 170
Benzene	ND		40.5	38.0		ug/Kg	☼	94	77 - 120
Bromoform	ND		40.5	42.7		ug/Kg	☼	105	37 - 147
Bromomethane	ND		40.5	24.9		ug/Kg	☼	62	47 - 149
2-Butanone (MEK)	ND		40.5	33.6		ug/Kg	☼	83	39 - 157
Carbon disulfide	ND		40.5	37.6		ug/Kg	☼	93	40 - 156
Carbon tetrachloride	ND		40.5	37.7		ug/Kg	☼	93	73 - 130
Chlorobenzene	ND		40.5	39.2		ug/Kg	☼	97	79 - 122
Chlorobromomethane	ND		40.5	37.9		ug/Kg	☼	93	64 - 128
Chlorodibromomethane	ND		40.5	41.1		ug/Kg	☼	101	60 - 134
Chloroethane	ND		40.5	28.1		ug/Kg	☼	69	37 - 159
Chloroform	ND		40.5	38.7		ug/Kg	☼	95	73 - 126
Chloromethane	ND		40.5	19.6		ug/Kg	☼	48	46 - 151
cis-1,2-Dichloroethene	ND		40.5	36.9		ug/Kg	☼	91	77 - 118
cis-1,3-Dichloropropene	ND		40.5	42.2		ug/Kg	☼	104	73 - 127
Cyclohexane	ND		40.5	37.7		ug/Kg	☼	93	63 - 143
1,2-Dibromo-3-Chloropropane	ND		40.5	42.8		ug/Kg	☼	106	30 - 163
1,2-Dibromoethane	ND		40.5	39.4		ug/Kg	☼	97	59 - 137
1,2-Dichlorobenzene	ND		40.5	39.0		ug/Kg	☼	96	76 - 120
1,3-Dichlorobenzene	ND		40.5	40.3		ug/Kg	☼	99	77 - 121
1,4-Dichlorobenzene	ND		40.5	40.7		ug/Kg	☼	100	79 - 120
Dichlorobromomethane	ND		40.5	40.1		ug/Kg	☼	99	75 - 123
Dichlorodifluoromethane	ND		40.5	13.6		ug/Kg	☼	34	26 - 149
1,1-Dichloroethane	ND		40.5	37.1		ug/Kg	☼	91	73 - 124
1,2-Dichloroethane	ND		40.5	41.0		ug/Kg	☼	101	64 - 140
1,1-Dichloroethene	ND		40.5	37.7		ug/Kg	☼	93	55 - 136
1,2-Dichloroethene, Total	ND		81.1	74.4		ug/Kg	☼	92	77 - 119
1,2-Dichloropropane	ND		40.5	37.9		ug/Kg	☼	94	77 - 119
1,4-Dioxane	ND		811	796	J	ug/Kg	☼	98	18 - 166
Ethylbenzene	ND		40.5	39.1		ug/Kg	☼	97	79 - 119
2-Hexanone	ND		40.5	37.2		ug/Kg	☼	92	42 - 152
Isopropylbenzene	ND		40.5	39.8		ug/Kg	☼	98	70 - 125
Methyl acetate	ND	*+	81.1	106		ug/Kg	☼	131	20 - 170
Methylcyclohexane	ND		40.5	37.7		ug/Kg	☼	93	70 - 125
Methylene Chloride	ND	*+	40.5	38.3		ug/Kg	☼	94	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		40.5	43.6		ug/Kg	☼	108	51 - 147
Methyl tert-butyl ether	ND	*+	40.5	39.4		ug/Kg	☼	97	58 - 132
m-Xylene & p-Xylene	ND		40.5	40.8		ug/Kg	☼	101	77 - 120
o-Xylene	ND		40.5	39.8		ug/Kg	☼	98	78 - 118
Styrene	ND		40.5	41.2		ug/Kg	☼	102	80 - 120
1,1,2,2-Tetrachloroethane	ND		40.5	49.9		ug/Kg	☼	123	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		40.5	39.1		ug/Kg	☼	97	71 - 121
Toluene	ND		40.5	37.7		ug/Kg	☼	93	76 - 120
trans-1,2-Dichloroethene	ND		40.5	37.5		ug/Kg	☼	93	75 - 122
trans-1,3-Dichloropropene	ND	*1	40.5	41.5		ug/Kg	☼	102	68 - 133
1,2,3-Trichlorobenzene	ND		40.5	43.3		ug/Kg	☼	107	29 - 166
1,2,4-Trichlorobenzene	ND		40.5	43.2		ug/Kg	☼	107	22 - 170
1,1,1-Trichloroethane	ND		40.5	37.2		ug/Kg	☼	92	72 - 134
1,1,2-Trichloroethane	ND		40.5	41.3		ug/Kg	☼	102	66 - 128
Trichloroethene	ND		40.5	37.7		ug/Kg	☼	93	69 - 118
Trichlorofluoromethane	ND		40.5	32.7		ug/Kg	☼	81	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.5	36.8		ug/Kg	☼	91	59 - 135
Vinyl chloride	ND	F1	40.5	21.7	F1	ug/Kg	☼	54	64 - 134
Xylenes, Total	ND		81.1	80.6		ug/Kg	☼	99	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Lab Sample ID: 180-154312-15 MSD
Matrix: Solid
Analysis Batch: 431387

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		40.2	31.0		ug/Kg	☼	77	23 - 170	13	35
Benzene	ND		40.2	36.8		ug/Kg	☼	92	77 - 120	3	20
Bromoform	ND		40.2	41.4		ug/Kg	☼	103	37 - 147	3	23
Bromomethane	ND		40.2	25.0		ug/Kg	☼	62	47 - 149	0	25
2-Butanone (MEK)	ND		40.2	28.5		ug/Kg	☼	71	39 - 157	16	33
Carbon disulfide	ND		40.2	37.1		ug/Kg	☼	92	40 - 156	1	25
Carbon tetrachloride	ND		40.2	36.1		ug/Kg	☼	90	73 - 130	4	21
Chlorobenzene	ND		40.2	36.7		ug/Kg	☼	91	79 - 122	6	20
Chlorobromomethane	ND		40.2	37.2		ug/Kg	☼	93	64 - 128	2	20
Chlorodibromomethane	ND		40.2	38.9		ug/Kg	☼	97	60 - 134	5	40
Chloroethane	ND		40.2	28.3		ug/Kg	☼	70	37 - 159	1	25
Chloroform	ND		40.2	37.1		ug/Kg	☼	92	73 - 126	4	20
Chloromethane	ND		40.2	18.8		ug/Kg	☼	47	46 - 151	4	33
cis-1,2-Dichloroethene	ND		40.2	36.7		ug/Kg	☼	91	77 - 118	1	20
cis-1,3-Dichloropropene	ND		40.2	40.1		ug/Kg	☼	100	73 - 127	5	20
Cyclohexane	ND		40.2	36.5		ug/Kg	☼	91	63 - 143	3	25
1,2-Dibromo-3-Chloropropane	ND		40.2	41.5		ug/Kg	☼	103	30 - 163	3	34
1,2-Dibromoethane	ND		40.2	38.3		ug/Kg	☼	95	59 - 137	3	20
1,2-Dichlorobenzene	ND		40.2	37.9		ug/Kg	☼	94	76 - 120	3	20
1,3-Dichlorobenzene	ND		40.2	39.1		ug/Kg	☼	97	77 - 121	3	20
1,4-Dichlorobenzene	ND		40.2	39.2		ug/Kg	☼	97	79 - 120	4	20
Dichlorobromomethane	ND		40.2	37.4		ug/Kg	☼	93	75 - 123	7	20
Dichlorodifluoromethane	ND		40.2	12.7		ug/Kg	☼	32	26 - 149	6	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154312-15 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B34
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431387
Prep Batch: 431446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		40.2	36.3		ug/Kg	☼	90	73 - 124	2	20
1,2-Dichloroethane	ND		40.2	38.2		ug/Kg	☼	95	64 - 140	7	20
1,1-Dichloroethene	ND		40.2	37.2		ug/Kg	☼	92	55 - 136	1	21
1,2-Dichloroethene, Total	ND		80.5	73.1		ug/Kg	☼	91	77 - 119	2	20
1,2-Dichloropropane	ND		40.2	36.1		ug/Kg	☼	90	77 - 119	5	20
1,4-Dioxane	ND		805	799	J	ug/Kg	☼	99	18 - 166	0	40
Ethylbenzene	ND		40.2	36.4		ug/Kg	☼	90	79 - 119	7	20
2-Hexanone	ND		40.2	32.9		ug/Kg	☼	82	42 - 152	12	30
Isopropylbenzene	ND		40.2	38.9		ug/Kg	☼	97	70 - 125	2	21
Methyl acetate	ND	*+	80.5	96.5		ug/Kg	☼	120	20 - 170	10	33
Methylcyclohexane	ND		40.2	36.8		ug/Kg	☼	92	70 - 125	2	22
Methylene Chloride	ND	*+	40.2	36.9		ug/Kg	☼	92	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)	ND		40.2	39.0		ug/Kg	☼	97	51 - 147	11	27
Methyl tert-butyl ether	ND	*+	40.2	37.1		ug/Kg	☼	92	58 - 132	6	24
m-Xylene & p-Xylene	ND		40.2	39.3		ug/Kg	☼	98	77 - 120	4	20
o-Xylene	ND		40.2	38.0		ug/Kg	☼	94	78 - 118	4	20
Styrene	ND		40.2	38.5		ug/Kg	☼	96	80 - 120	7	20
1,1,2,2-Tetrachloroethane	ND		40.2	46.4		ug/Kg	☼	115	36 - 170	7	23
Tetrachloroethene	ND		40.2	37.0		ug/Kg	☼	92	71 - 121	6	21
Toluene	ND		40.2	36.1		ug/Kg	☼	90	76 - 120	4	20
trans-1,2-Dichloroethene	ND		40.2	36.4		ug/Kg	☼	90	75 - 122	3	20
trans-1,3-Dichloropropene	ND	*1	40.2	39.5		ug/Kg	☼	98	68 - 133	5	20
1,2,3-Trichlorobenzene	ND		40.2	41.3		ug/Kg	☼	103	29 - 166	5	40
1,2,4-Trichlorobenzene	ND		40.2	42.5		ug/Kg	☼	106	22 - 170	2	29
1,1,1-Trichloroethane	ND		40.2	36.7		ug/Kg	☼	91	72 - 134	1	20
1,1,2-Trichloroethane	ND		40.2	37.6		ug/Kg	☼	93	66 - 128	9	21
Trichloroethene	ND		40.2	36.4		ug/Kg	☼	90	69 - 118	3	20
Trichlorofluoromethane	ND		40.2	30.0		ug/Kg	☼	74	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.2	36.8		ug/Kg	☼	91	59 - 135	0	28
Vinyl chloride	ND	F1	40.2	22.9	F1	ug/Kg	☼	57	64 - 134	5	23
Xylenes, Total	ND		80.5	77.3		ug/Kg	☼	96	78 - 118	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: MB 180-431516/9
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/06/23 11:39	1
Benzene	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
Bromoform	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431516/9
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/06/23 11:39	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/06/23 11:39	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/06/23 11:39	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/06/23 11:39	1
Chloroform	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/06/23 11:39	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/06/23 11:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/06/23 11:39	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/06/23 11:39	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/06/23 11:39	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/06/23 11:39	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/06/23 11:39	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/06/23 11:39	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/06/23 11:39	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/06/23 11:39	1
Methyl acetate	ND		25	7.4	ug/Kg			04/06/23 11:39	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/06/23 11:39	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/06/23 11:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Styrene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Toluene	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/06/23 11:39	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/06/23 11:39	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/06/23 11:39	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/06/23 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/06/23 11:39	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/06/23 11:39	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*04/06/23 11:39*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*		*04/06/23 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*		*04/06/23 11:39*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*		*04/06/23 11:39*	*1*

Lab Sample ID: LCS 180-431516/6
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	48.5		ug/Kg		121	23 - 170
Benzene	40.0	41.6		ug/Kg		104	77 - 120
Bromoform	40.0	40.0		ug/Kg		100	37 - 147
Bromomethane	40.0	42.6		ug/Kg		106	47 - 149
2-Butanone (MEK)	40.0	44.2		ug/Kg		111	39 - 157
Carbon disulfide	40.0	50.1		ug/Kg		125	40 - 156
Carbon tetrachloride	40.0	42.4		ug/Kg		106	73 - 130
Chlorobenzene	40.0	36.4		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	45.2		ug/Kg		113	64 - 128
Chlorodibromomethane	40.0	40.1		ug/Kg		100	60 - 134
Chloroethane	40.0	45.2		ug/Kg		113	37 - 159
Chloroform	40.0	40.6		ug/Kg		102	73 - 126
Chloromethane	40.0	49.5		ug/Kg		124	46 - 151
cis-1,2-Dichloroethene	40.0	43.1		ug/Kg		108	77 - 118
cis-1,3-Dichloropropene	40.0	45.2		ug/Kg		113	73 - 127
Cyclohexane	40.0	42.9		ug/Kg		107	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.9		ug/Kg		105	30 - 163
1,2-Dibromoethane	40.0	40.8		ug/Kg		102	59 - 137
1,2-Dichlorobenzene	40.0	36.4		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	79 - 120
Dichlorobromomethane	40.0	41.3		ug/Kg		103	75 - 123
Dichlorodifluoromethane	40.0	75.1	*+	ug/Kg		188	26 - 149
1,1-Dichloroethane	40.0	42.2		ug/Kg		106	73 - 124
1,2-Dichloroethane	40.0	47.5		ug/Kg		119	64 - 140
1,1-Dichloroethene	40.0	46.3		ug/Kg		116	55 - 136
1,2-Dichloroethene, Total	80.0	86.2		ug/Kg		108	77 - 119
1,2-Dichloropropane	40.0	40.3		ug/Kg		101	77 - 119
1,4-Dioxane	800	914	J	ug/Kg		114	18 - 166
Ethylbenzene	40.0	35.6		ug/Kg		89	79 - 119
2-Hexanone	40.0	41.3		ug/Kg		103	42 - 152
Isopropylbenzene	40.0	35.6		ug/Kg		89	70 - 125
Methyl acetate	80.0	135		ug/Kg		169	20 - 170
Methylcyclohexane	40.0	42.5		ug/Kg		106	70 - 125
Methylene Chloride	40.0	44.8		ug/Kg		112	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.9		ug/Kg		102	51 - 147
Methyl tert-butyl ether	40.0	47.4		ug/Kg		119	58 - 132
m-Xylene & p-Xylene	40.0	38.0		ug/Kg		95	77 - 120
o-Xylene	40.0	36.9		ug/Kg		92	78 - 118
Styrene	40.0	37.5		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	46.1		ug/Kg		115	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431516/6
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	37.7		ug/Kg		94	71 - 121
Toluene	40.0	36.8		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	43.2		ug/Kg		108	75 - 122
trans-1,3-Dichloropropene	40.0	40.9		ug/Kg		102	68 - 133
1,2,3-Trichlorobenzene	40.0	40.7		ug/Kg		102	29 - 166
1,2,4-Trichlorobenzene	40.0	39.2		ug/Kg		98	22 - 170
1,1,1-Trichloroethane	40.0	41.7		ug/Kg		104	72 - 134
1,1,2-Trichloroethane	40.0	39.4		ug/Kg		99	66 - 128
Trichloroethene	40.0	41.7		ug/Kg		104	69 - 118
Trichlorofluoromethane	40.0	44.5		ug/Kg		111	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.5		ug/Kg		116	59 - 135
Vinyl chloride	40.0	45.3		ug/Kg		113	64 - 134
Xylenes, Total	80.0	74.9		ug/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Lab Sample ID: MB 180-432068/7
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/12/23 13:14	1
Benzene	ND		5.0	1.4	ug/Kg			04/12/23 13:14	1
Bromoform	ND		5.0	2.5	ug/Kg			04/12/23 13:14	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/12/23 13:14	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/12/23 13:14	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/12/23 13:14	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/12/23 13:14	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/12/23 13:14	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/12/23 13:14	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/12/23 13:14	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/12/23 13:14	1
Chloroform	ND		5.0	1.6	ug/Kg			04/12/23 13:14	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/12/23 13:14	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/12/23 13:14	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/12/23 13:14	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/12/23 13:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/12/23 13:14	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/12/23 13:14	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/12/23 13:14	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/12/23 13:14	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/12/23 13:14	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/12/23 13:14	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/12/23 13:14	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-432068/7
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/12/23 13:14	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/12/23 13:14	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/12/23 13:14	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/12/23 13:14	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/12/23 13:14	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/12/23 13:14	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/12/23 13:14	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/12/23 13:14	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/12/23 13:14	1
Methyl acetate	ND		25	7.4	ug/Kg			04/12/23 13:14	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/12/23 13:14	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/12/23 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/12/23 13:14	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/12/23 13:14	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/12/23 13:14	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/12/23 13:14	1
Styrene	ND		5.0	1.5	ug/Kg			04/12/23 13:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/12/23 13:14	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/12/23 13:14	1
Toluene	ND		5.0	1.4	ug/Kg			04/12/23 13:14	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/12/23 13:14	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/12/23 13:14	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/12/23 13:14	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/12/23 13:14	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/12/23 13:14	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/12/23 13:14	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/12/23 13:14	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/12/23 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/12/23 13:14	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/12/23 13:14	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/12/23 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*04/12/23 13:14*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*		*04/12/23 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*		*04/12/23 13:14*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*		*04/12/23 13:14*	*1*

Lab Sample ID: LCS 180-432068/3
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	52.9		ug/Kg		132	23 - 170
Benzene	40.0	42.4		ug/Kg		106	77 - 120
Bromoform	40.0	40.5		ug/Kg		101	37 - 147
Bromomethane	40.0	37.2		ug/Kg		93	47 - 149
2-Butanone (MEK)	40.0	43.2		ug/Kg		108	39 - 157

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-432068/3
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	40.0	55.1		ug/Kg		138	40 - 156
Carbon tetrachloride	40.0	42.6		ug/Kg		107	73 - 130
Chlorobenzene	40.0	37.6		ug/Kg		94	79 - 122
Chlorobromomethane	40.0	45.4		ug/Kg		114	64 - 128
Chlorodibromomethane	40.0	39.6		ug/Kg		99	60 - 134
Chloroethane	40.0	41.5		ug/Kg		104	37 - 159
Chloroform	40.0	40.7		ug/Kg		102	73 - 126
Chloromethane	40.0	33.4		ug/Kg		84	46 - 151
cis-1,2-Dichloroethene	40.0	43.1		ug/Kg		108	77 - 118
cis-1,3-Dichloropropene	40.0	43.6		ug/Kg		109	73 - 127
Cyclohexane	40.0	42.5		ug/Kg		106	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	42.8		ug/Kg		107	30 - 163
1,2-Dibromoethane	40.0	39.8		ug/Kg		99	59 - 137
1,2-Dichlorobenzene	40.0	37.1		ug/Kg		93	76 - 120
1,3-Dichlorobenzene	40.0	37.1		ug/Kg		93	77 - 121
1,4-Dichlorobenzene	40.0	38.1		ug/Kg		95	79 - 120
Dichlorobromomethane	40.0	40.2		ug/Kg		100	75 - 123
Dichlorodifluoromethane	40.0	63.5	*+	ug/Kg		159	26 - 149
1,1-Dichloroethane	40.0	42.0		ug/Kg		105	73 - 124
1,2-Dichloroethane	40.0	45.3		ug/Kg		113	64 - 140
1,1-Dichloroethene	40.0	49.9		ug/Kg		125	55 - 136
1,2-Dichloroethene, Total	80.0	87.7		ug/Kg		110	77 - 119
1,2-Dichloropropane	40.0	38.5		ug/Kg		96	77 - 119
1,4-Dioxane	800	874	J	ug/Kg		109	18 - 166
Ethylbenzene	40.0	37.9		ug/Kg		95	79 - 119
2-Hexanone	40.0	41.7		ug/Kg		104	42 - 152
Isopropylbenzene	40.0	37.1		ug/Kg		93	70 - 125
Methyl acetate	80.0	161	*+	ug/Kg		201	20 - 170
Methylcyclohexane	40.0	43.6		ug/Kg		109	70 - 125
Methylene Chloride	40.0	47.3		ug/Kg		118	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.3		ug/Kg		101	51 - 147
Methyl tert-butyl ether	40.0	44.6		ug/Kg		111	58 - 132
m-Xylene & p-Xylene	40.0	39.6		ug/Kg		99	77 - 120
o-Xylene	40.0	37.5		ug/Kg		94	78 - 118
Styrene	40.0	38.2		ug/Kg		95	80 - 120
1,1,2,2-Tetrachloroethane	40.0	43.3		ug/Kg		108	36 - 170
Tetrachloroethene	40.0	40.1		ug/Kg		100	71 - 121
Toluene	40.0	38.3		ug/Kg		96	76 - 120
trans-1,2-Dichloroethene	40.0	44.6		ug/Kg		112	75 - 122
trans-1,3-Dichloropropene	40.0	40.3		ug/Kg		101	68 - 133
1,2,3-Trichlorobenzene	40.0	40.0		ug/Kg		100	29 - 166
1,2,4-Trichlorobenzene	40.0	40.0		ug/Kg		100	22 - 170
1,1,1-Trichloroethane	40.0	41.8		ug/Kg		104	72 - 134
1,1,2-Trichloroethane	40.0	38.4		ug/Kg		96	66 - 128
Trichloroethene	40.0	43.6		ug/Kg		109	69 - 118
Trichlorofluoromethane	40.0	41.5		ug/Kg		104	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	49.7		ug/Kg		124	59 - 135
Vinyl chloride	40.0	33.8		ug/Kg		85	64 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-432068/3
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			80.0	77.1		ug/Kg		96	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-432068/4
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	52.3		ug/Kg		131	23 - 170	1	35
Benzene			40.0	38.5		ug/Kg		96	77 - 120	10	20
Bromoform			40.0	39.4		ug/Kg		98	37 - 147	3	23
Bromomethane			40.0	33.5		ug/Kg		84	47 - 149	10	25
2-Butanone (MEK)			40.0	40.2		ug/Kg		101	39 - 157	7	33
Carbon disulfide			40.0	51.7		ug/Kg		129	40 - 156	6	25
Carbon tetrachloride			40.0	38.0		ug/Kg		95	73 - 130	11	21
Chlorobenzene			40.0	34.4		ug/Kg		86	79 - 122	9	20
Chlorobromomethane			40.0	41.4		ug/Kg		103	64 - 128	9	20
Chlorodibromomethane			40.0	38.7		ug/Kg		97	60 - 134	2	40
Chloroethane			40.0	37.5		ug/Kg		94	37 - 159	10	25
Chloroform			40.0	37.5		ug/Kg		94	73 - 126	8	20
Chloromethane			40.0	28.8		ug/Kg		72	46 - 151	15	33
cis-1,2-Dichloroethene			40.0	39.0		ug/Kg		98	77 - 118	10	20
cis-1,3-Dichloropropene			40.0	40.1		ug/Kg		100	73 - 127	8	20
Cyclohexane			40.0	37.6		ug/Kg		94	63 - 143	12	25
1,2-Dibromo-3-Chloropropane			40.0	37.3		ug/Kg		93	30 - 163	14	34
1,2-Dibromoethane			40.0	37.3		ug/Kg		93	59 - 137	6	20
1,2-Dichlorobenzene			40.0	33.0		ug/Kg		82	76 - 120	12	20
1,3-Dichlorobenzene			40.0	33.3		ug/Kg		83	77 - 121	11	20
1,4-Dichlorobenzene			40.0	33.6		ug/Kg		84	79 - 120	13	20
Dichlorobromomethane			40.0	36.6		ug/Kg		91	75 - 123	9	20
Dichlorodifluoromethane			40.0	60.5	*+	ug/Kg		151	26 - 149	5	24
1,1-Dichloroethane			40.0	37.5		ug/Kg		94	73 - 124	11	20
1,2-Dichloroethane			40.0	40.9		ug/Kg		102	64 - 140	10	20
1,1-Dichloroethene			40.0	46.8		ug/Kg		117	55 - 136	6	21
1,2-Dichloroethene, Total			80.0	78.6		ug/Kg		98	77 - 119	11	20
1,2-Dichloropropane			40.0	35.7		ug/Kg		89	77 - 119	8	20
1,4-Dioxane			800	807	J	ug/Kg		101	18 - 166	8	40
Ethylbenzene			40.0	34.9		ug/Kg		87	79 - 119	8	20
2-Hexanone			40.0	37.6		ug/Kg		94	42 - 152	10	30
Isopropylbenzene			40.0	33.8		ug/Kg		84	70 - 125	9	21
Methyl acetate			80.0	143	*+	ug/Kg		178	20 - 170	12	33
Methylcyclohexane			40.0	38.8		ug/Kg		97	70 - 125	12	22
Methylene Chloride			40.0	41.0		ug/Kg		103	67 - 131	14	32

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-432068/4
Matrix: Solid
Analysis Batch: 432068

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			40.0	37.8		ug/Kg		94	51 - 147	6	27
Methyl tert-butyl ether			40.0	41.2		ug/Kg		103	58 - 132	8	24
m-Xylene & p-Xylene			40.0	35.4		ug/Kg		88	77 - 120	11	20
o-Xylene			40.0	34.7		ug/Kg		87	78 - 118	8	20
Styrene			40.0	35.0		ug/Kg		88	80 - 120	9	20
1,1,2,2-Tetrachloroethane			40.0	42.4		ug/Kg		106	36 - 170	2	23
Tetrachloroethene			40.0	35.8		ug/Kg		90	71 - 121	11	21
Toluene			40.0	34.8		ug/Kg		87	76 - 120	10	20
trans-1,2-Dichloroethene			40.0	39.5		ug/Kg		99	75 - 122	12	20
trans-1,3-Dichloropropene			40.0	37.5		ug/Kg		94	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	36.2		ug/Kg		90	29 - 166	10	40
1,2,4-Trichlorobenzene			40.0	35.9		ug/Kg		90	22 - 170	11	29
1,1,1-Trichloroethane			40.0	37.1		ug/Kg		93	72 - 134	12	20
1,1,2-Trichloroethane			40.0	36.1		ug/Kg		90	66 - 128	6	21
Trichloroethene			40.0	37.9		ug/Kg		95	69 - 118	14	20
Trichlorofluoromethane			40.0	40.5		ug/Kg		101	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	45.5		ug/Kg		114	59 - 135	9	28
Vinyl chloride			40.0	33.0		ug/Kg		82	64 - 134	3	23
Xylenes, Total			80.0	70.1		ug/Kg		88	78 - 118	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-431125/1-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Acenaphthylene	ND		67	15	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Acetophenone	ND		670	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Anthracene	ND		67	17	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Atrazine	ND		670	150	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Benzaldehyde	ND		670	41	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/03/23 11:27	04/04/23 11:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-154312-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431125/1-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Caprolactam	ND		1700	220	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Carbazole	ND		67	16	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
4-Chloroaniline	ND		330	88	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2-Chlorophenol	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Chrysene	ND		67	37	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Dibenzofuran	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Diethyl phthalate	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
1,4-Dioxane	ND		670	100	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Fluoranthene	ND		67	18	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Fluorene	ND		67	13	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Hexachloroethane	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Isophorone	ND		330	130	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2-Methylphenol	ND		330	96	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Naphthalene	ND		67	13	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
3-Nitroaniline	ND		1700	85	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Nitrobenzene	ND		670	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2-Nitrophenol	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Phenanthrene	ND		67	18	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Phenol	ND		330	100	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
Pyrene	ND		67	16	ug/Kg		04/03/23 11:27	04/04/23 11:10	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431125/1-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/03/23 11:27	04/04/23 11:10	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/03/23 11:27	04/04/23 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/03/23 11:27*	*04/04/23 11:10*	*1*
2-Fluorophenol (Surr)	*92*		*48 - 105*	*04/03/23 11:27*	*04/04/23 11:10*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*04/03/23 11:27*	*04/04/23 11:10*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*04/03/23 11:27*	*04/04/23 11:10*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/03/23 11:27*	*04/04/23 11:10*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/03/23 11:27*	*04/04/23 11:10*	*1*

Lab Sample ID: LCS 180-431125/2-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	5300		ug/Kg		80	50 - 100
Acenaphthylene	6670	5380		ug/Kg		81	52 - 100
Acetophenone	6670	5270		ug/Kg		79	48 - 100
Anthracene	6670	5300		ug/Kg		79	53 - 100
Atrazine	6670	4800		ug/Kg		72	49 - 103
Benzaldehyde	6670	7070	*+	ug/Kg		106	23 - 105
Benzo[a]anthracene	6670	5360		ug/Kg		80	51 - 100
Benzo[a]pyrene	6670	5210		ug/Kg		78	51 - 100
Benzo[b]fluoranthene	6670	4690		ug/Kg		70	48 - 100
Benzo[g,h,i]perylene	6670	5350		ug/Kg		80	48 - 105
Benzo[k]fluoranthene	6670	4770		ug/Kg		72	19 - 100
1,1'-Biphenyl	6670	5070		ug/Kg		76	50 - 100
Bis(2-chloroethoxy)methane	6670	4850		ug/Kg		73	49 - 100
Bis(2-chloroethyl)ether	6670	4820		ug/Kg		72	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6710		ug/Kg		101	53 - 107
4-Bromophenyl phenyl ether	6670	4880		ug/Kg		73	52 - 101
Butyl benzyl phthalate	6670	6660		ug/Kg		100	52 - 107
Caprolactam	6670	6350		ug/Kg		95	48 - 111
Carbazole	6670	5250		ug/Kg		79	53 - 100
4-Chloroaniline	6670	5150		ug/Kg		77	47 - 100
4-Chloro-3-methylphenol	6670	5910		ug/Kg		89	49 - 106
2-Chloronaphthalene	6670	4820		ug/Kg		72	51 - 100
2-Chlorophenol	6670	5130		ug/Kg		77	51 - 100
4-Chlorophenyl phenyl ether	6670	5070		ug/Kg		76	52 - 100
Chrysene	6670	4930		ug/Kg		74	50 - 100
Dibenz(a,h)anthracene	6670	5400		ug/Kg		81	50 - 107
Dibenzofuran	6670	5070		ug/Kg		76	52 - 100
3,3'-Dichlorobenzidine	6670	5210		ug/Kg		78	43 - 100
2,4-Dichlorophenol	6670	5030		ug/Kg		75	53 - 101
Diethyl phthalate	6670	5400		ug/Kg		81	48 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-431125/2-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	6670	5730		ug/Kg		86	51 - 101
Dimethyl phthalate	6670	5270		ug/Kg		79	53 - 100
Di-n-butyl phthalate	6670	5770		ug/Kg		87	57 - 102
4,6-Dinitro-2-methylphenol	13300	9780		ug/Kg		73	51 - 100
2,4-Dinitrophenol	13300	8060		ug/Kg		60	33 - 101
2,4-Dinitrotoluene	6670	5760		ug/Kg		86	54 - 104
2,6-Dinitrotoluene	6670	5510		ug/Kg		83	51 - 106
Di-n-octyl phthalate	6670	6990		ug/Kg		105	41 - 106
1,4-Dioxane	6670	6980		ug/Kg		105	25 - 125
Fluoranthene	6670	5250		ug/Kg		79	55 - 100
Fluorene	6670	5250		ug/Kg		79	52 - 100
Hexachlorobenzene	6670	4090		ug/Kg		61	49 - 100
Hexachlorobutadiene	6670	4820		ug/Kg		72	38 - 107
Hexachlorocyclopentadiene	6670	4260		ug/Kg		64	33 - 117
Hexachloroethane	6670	5390		ug/Kg		81	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5620		ug/Kg		84	51 - 103
Isophorone	6670	6120		ug/Kg		92	48 - 105
2-Methylnaphthalene	6670	5480		ug/Kg		82	53 - 100
2-Methylphenol	6670	5050		ug/Kg		76	50 - 101
Methylphenol, 3 & 4	6670	4970		ug/Kg		75	50 - 103
Naphthalene	6670	4910		ug/Kg		74	51 - 100
2-Nitroaniline	6670	7770		ug/Kg		117	42 - 123
3-Nitroaniline	6670	5560		ug/Kg		83	50 - 103
4-Nitroaniline	6670	5660		ug/Kg		85	52 - 103
Nitrobenzene	6670	6350		ug/Kg		95	44 - 108
2-Nitrophenol	6670	5640		ug/Kg		85	55 - 107
4-Nitrophenol	13300	13700		ug/Kg		103	30 - 134
N-Nitrosodi-n-propylamine	6670	6230		ug/Kg		93	45 - 107
N-Nitrosodiphenylamine	6670	5040		ug/Kg		76	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4740		ug/Kg		71	30 - 113
Pentachlorophenol	13300	7710		ug/Kg		58	42 - 110
Phenanthrene	6670	4950		ug/Kg		74	53 - 100
Phenol	6670	5200		ug/Kg		78	49 - 100
Pyrene	6670	5400		ug/Kg		81	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4900		ug/Kg		74	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4840		ug/Kg		73	47 - 104
2,4,5-Trichlorophenol	6670	4850		ug/Kg		73	50 - 104
2,4,6-Trichlorophenol	6670	5210		ug/Kg		78	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*44 - 105*
2-Fluorophenol (Surr)	*90*		*48 - 105*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-431125/3-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 431125

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	4840		ug/Kg		73	50 - 100	9	20
Acenaphthylene			6670	4880		ug/Kg		73	52 - 100	10	20
Acetophenone			6670	4860		ug/Kg		73	48 - 100	8	17
Anthracene			6670	5150		ug/Kg		77	53 - 100	3	20
Atrazine			6670	4630		ug/Kg		69	49 - 103	4	19
Benzaldehyde			6670	5990		ug/Kg		90	23 - 105	16	31
Benzo[a]anthracene			6670	5070		ug/Kg		76	51 - 100	6	21
Benzo[a]pyrene			6670	5020		ug/Kg		75	51 - 100	4	20
Benzo[b]fluoranthene			6670	4730		ug/Kg		71	48 - 100	1	20
Benzo[g,h,i]perylene			6670	5020		ug/Kg		75	48 - 105	6	19
Benzo[k]fluoranthene			6670	4550		ug/Kg		68	19 - 100	5	20
1,1'-Biphenyl			6670	4700		ug/Kg		71	50 - 100	8	19
Bis(2-chloroethoxy)methane			6670	4720		ug/Kg		71	49 - 100	3	20
Bis(2-chloroethyl)ether			6670	4550		ug/Kg		68	48 - 100	6	18
Bis(2-ethylhexyl) phthalate			6670	6420		ug/Kg		96	53 - 107	4	20
4-Bromophenyl phenyl ether			6670	4650		ug/Kg		70	52 - 101	5	20
Butyl benzyl phthalate			6670	6260		ug/Kg		94	52 - 107	6	19
Caprolactam			6670	5680		ug/Kg		85	48 - 111	11	23
Carbazole			6670	5210		ug/Kg		78	53 - 100	1	20
4-Chloroaniline			6670	4880		ug/Kg		73	47 - 100	5	20
4-Chloro-3-methylphenol			6670	5510		ug/Kg		83	49 - 106	7	20
2-Chloronaphthalene			6670	4440		ug/Kg		67	51 - 100	8	20
2-Chlorophenol			6670	4730		ug/Kg		71	51 - 100	8	17
4-Chlorophenyl phenyl ether			6670	4640		ug/Kg		70	52 - 100	9	19
Chrysene			6670	4560		ug/Kg		68	50 - 100	8	20
Dibenz(a,h)anthracene			6670	5140		ug/Kg		77	50 - 107	5	21
Dibenzofuran			6670	4630		ug/Kg		69	52 - 100	9	19
3,3'-Dichlorobenzidine			6670	4860		ug/Kg		73	43 - 100	7	19
2,4-Dichlorophenol			6670	4700		ug/Kg		70	53 - 101	7	22
Diethyl phthalate			6670	4940		ug/Kg		74	48 - 104	9	20
2,4-Dimethylphenol			6670	5420		ug/Kg		81	51 - 101	6	32
Dimethyl phthalate			6670	4840		ug/Kg		73	53 - 100	9	21
Di-n-butyl phthalate			6670	5560		ug/Kg		83	57 - 102	4	20
4,6-Dinitro-2-methylphenol			13300	8500		ug/Kg		64	51 - 100	14	22
2,4-Dinitrophenol			13300	6270	*1	ug/Kg		47	33 - 101	25	20
2,4-Dinitrotoluene			6670	5070		ug/Kg		76	54 - 104	13	20
2,6-Dinitrotoluene			6670	4980		ug/Kg		75	51 - 106	10	20
Di-n-octyl phthalate			6670	6890		ug/Kg		103	41 - 106	1	18
1,4-Dioxane			6670	6610		ug/Kg		99	25 - 125	5	17
Fluoranthene			6670	5170		ug/Kg		77	55 - 100	2	20
Fluorene			6670	4770		ug/Kg		72	52 - 100	10	19
Hexachlorobenzene			6670	4130		ug/Kg		62	49 - 100	1	20
Hexachlorobutadiene			6670	4550		ug/Kg		68	38 - 107	6	22
Hexachlorocyclopentadiene			6670	3880		ug/Kg		58	33 - 117	9	19
Hexachloroethane			6670	4970		ug/Kg		75	47 - 100	8	17
Indeno[1,2,3-cd]pyrene			6670	5280		ug/Kg		79	51 - 103	6	19
Isophorone			6670	5910		ug/Kg		89	48 - 105	3	20
2-Methylnaphthalene			6670	5270		ug/Kg		79	53 - 100	4	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-431125/3-A
Matrix: Solid
Analysis Batch: 431210

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 431125

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol			6670	4780		ug/Kg		72	50 - 101	6	17
Methylphenol, 3 & 4			6670	4710		ug/Kg		71	50 - 103	5	19
Naphthalene			6670	4820		ug/Kg		72	51 - 100	2	20
2-Nitroaniline			6670	6960		ug/Kg		104	42 - 123	11	19
3-Nitroaniline			6670	5300		ug/Kg		80	50 - 103	5	20
4-Nitroaniline			6670	5060		ug/Kg		76	52 - 103	11	18
Nitrobenzene			6670	6080		ug/Kg		91	44 - 108	4	21
2-Nitrophenol			6670	5490		ug/Kg		82	55 - 107	3	19
4-Nitrophenol			13300	12500		ug/Kg		94	30 - 134	9	18
N-Nitrosodi-n-propylamine			6670	5860		ug/Kg		88	45 - 107	6	18
N-Nitrosodiphenylamine			6670	5000		ug/Kg		75	52 - 100	1	20
2,2'-oxybis[1-chloropropane]			6670	4510		ug/Kg		68	30 - 113	5	17
Pentachlorophenol			13300	7440		ug/Kg		56	42 - 110	4	20
Phenanthrene			6670	4740		ug/Kg		71	53 - 100	4	20
Phenol			6670	4800		ug/Kg		72	49 - 100	8	16
Pyrene			6670	5140		ug/Kg		77	52 - 100	5	20
1,2,4,5-Tetrachlorobenzene			6670	4460		ug/Kg		67	41 - 104	10	21
2,3,4,6-Tetrachlorophenol			6670	4540		ug/Kg		68	47 - 104	6	18
2,4,5-Trichlorophenol			6670	4600		ug/Kg		69	50 - 104	5	21
2,4,6-Trichlorophenol			6670	4820		ug/Kg		72	50 - 105	8	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*44 - 105*
2-Fluorophenol (Surr)	*82*		*48 - 105*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*71*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*

Lab Sample ID: MB 180-431688/1-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Acenaphthylene	ND		67	15	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Acetophenone	ND		670	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Anthracene	ND		67	17	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Atrazine	ND		670	150	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Benzaldehyde	ND		670	41	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/07/23 09:43	04/10/23 09:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431688/1-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Caprolactam	ND		1700	220	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Carbazole	ND		67	16	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4-Chloroaniline	ND		330	88	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2-Chlorophenol	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Chrysene	ND		67	37	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Dibenzofuran	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Diethyl phthalate	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
1,4-Dioxane	ND		670	100	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Fluoranthene	ND		67	18	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Fluorene	ND		67	13	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Hexachloroethane	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Isophorone	ND		330	130	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2-Methylphenol	ND		330	96	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Naphthalene	ND		67	13	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
3-Nitroaniline	ND		1700	85	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Nitrobenzene	ND		670	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2-Nitrophenol	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Phenanthrene	ND		67	18	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
Phenol	ND		330	100	ug/Kg		04/07/23 09:43	04/10/23 09:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431688/1-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		67	16	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/07/23 09:43	04/10/23 09:53	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/07/23 09:43	04/10/23 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*44 - 105*	*04/07/23 09:43*	*04/10/23 09:53*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*04/07/23 09:43*	*04/10/23 09:53*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*04/07/23 09:43*	*04/10/23 09:53*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/07/23 09:43*	*04/10/23 09:53*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*04/07/23 09:43*	*04/10/23 09:53*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/07/23 09:43*	*04/10/23 09:53*	*1*

Lab Sample ID: LCS 180-431688/2-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4440		ug/Kg		67	50 - 100
Acenaphthylene	6670	4590		ug/Kg		69	52 - 100
Acetophenone	6670	4590		ug/Kg		69	48 - 100
Anthracene	6670	4590		ug/Kg		69	53 - 100
Atrazine	6670	4940		ug/Kg		74	49 - 103
Benzaldehyde	6670	4760		ug/Kg		71	23 - 105
Benzo[a]anthracene	6670	5010		ug/Kg		75	51 - 100
Benzo[a]pyrene	6670	4570		ug/Kg		68	51 - 100
Benzo[b]fluoranthene	6670	5060		ug/Kg		76	48 - 100
Benzo[g,h,i]perylene	6670	4560		ug/Kg		68	48 - 105
Benzo[k]fluoranthene	6670	4260		ug/Kg		64	19 - 100
1,1'-Biphenyl	6670	4340		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	5000		ug/Kg		75	49 - 100
Bis(2-chloroethyl)ether	6670	4850		ug/Kg		73	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4810		ug/Kg		72	53 - 107
4-Bromophenyl phenyl ether	6670	4750		ug/Kg		71	52 - 101
Butyl benzyl phthalate	6670	4640		ug/Kg		70	52 - 107
Caprolactam	6670	6000		ug/Kg		90	48 - 111
Carbazole	6670	4450		ug/Kg		67	53 - 100
4-Chloroaniline	6670	4450		ug/Kg		67	47 - 100
4-Chloro-3-methylphenol	6670	5230		ug/Kg		78	49 - 106
2-Chloronaphthalene	6670	4620		ug/Kg		69	51 - 100
2-Chlorophenol	6670	4530		ug/Kg		68	51 - 100
4-Chlorophenyl phenyl ether	6670	4950		ug/Kg		74	52 - 100
Chrysene	6670	4330		ug/Kg		65	50 - 100
Dibenz(a,h)anthracene	6670	5040		ug/Kg		76	50 - 107
Dibenzofuran	6670	4490		ug/Kg		67	52 - 100
3,3'-Dichlorobenzidine	6670	4210		ug/Kg		63	43 - 100
2,4-Dichlorophenol	6670	4990		ug/Kg		75	53 - 101

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-431688/2-A
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	6670	4770		ug/Kg		72	48 - 104
2,4-Dimethylphenol	6670	4980		ug/Kg		75	51 - 101
Dimethyl phthalate	6670	4900		ug/Kg		74	53 - 100
Di-n-butyl phthalate	6670	4850		ug/Kg		73	57 - 102
4,6-Dinitro-2-methylphenol	13300	10400		ug/Kg		78	51 - 100
2,4-Dinitrophenol	13300	10200		ug/Kg		76	33 - 101
2,4-Dinitrotoluene	6670	5150		ug/Kg		77	54 - 104
2,6-Dinitrotoluene	6670	5070		ug/Kg		76	51 - 106
Di-n-octyl phthalate	6670	5040		ug/Kg		76	41 - 106
1,4-Dioxane	6670	5260		ug/Kg		79	25 - 125
Fluoranthene	6670	4910		ug/Kg		74	55 - 100
Fluorene	6670	4610		ug/Kg		69	52 - 100
Hexachlorobenzene	6670	4230		ug/Kg		63	49 - 100
Hexachlorobutadiene	6670	4580		ug/Kg		69	38 - 107
Hexachlorocyclopentadiene	6670	5230		ug/Kg		78	33 - 117
Hexachloroethane	6670	4430		ug/Kg		66	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4990		ug/Kg		75	51 - 103
Isophorone	6670	5160		ug/Kg		77	48 - 105
2-Methylnaphthalene	6670	4330		ug/Kg		65	53 - 100
2-Methylphenol	6670	4760		ug/Kg		71	50 - 101
Methylphenol, 3 & 4	6670	4770		ug/Kg		72	50 - 103
Naphthalene	6670	4210		ug/Kg		63	51 - 100
2-Nitroaniline	6670	6110		ug/Kg		92	42 - 123
3-Nitroaniline	6670	5090		ug/Kg		76	50 - 103
4-Nitroaniline	6670	5200		ug/Kg		78	52 - 103
Nitrobenzene	6670	4960		ug/Kg		74	44 - 108
2-Nitrophenol	6670	5060		ug/Kg		76	55 - 107
4-Nitrophenol	13300	11800		ug/Kg		89	30 - 134
N-Nitrosodi-n-propylamine	6670	4880		ug/Kg		73	45 - 107
N-Nitrosodiphenylamine	6670	4520		ug/Kg		68	52 - 100
2,2'-oxybis[1-chloropropane]	6670	3440		ug/Kg		52	30 - 113
Pentachlorophenol	13300	10200		ug/Kg		77	42 - 110
Phenanthrene	6670	4350		ug/Kg		65	53 - 100
Phenol	6670	4840		ug/Kg		73	49 - 100
Pyrene	6670	4650		ug/Kg		70	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4720		ug/Kg		71	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5260		ug/Kg		79	47 - 104
2,4,5-Trichlorophenol	6670	5410		ug/Kg		81	50 - 104
2,4,6-Trichlorophenol	6670	5740		ug/Kg		86	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*72*		*48 - 105*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*
Phenol-d5 (Surr)	*72*		*46 - 105*
Terphenyl-d14 (Surr)	*67*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154312-15 MS
Client Sample ID: SSHS-IRM5A2-MSA-B34
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431778
Prep Batch: 431688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		6930	5160		ug/Kg	☼	74	50 - 100
Acenaphthylene	ND		6930	5450		ug/Kg	☼	79	52 - 100
Acetophenone	ND		6930	5200		ug/Kg	☼	75	48 - 100
Anthracene	ND		6930	5440		ug/Kg	☼	78	53 - 100
Atrazine	ND		6930	5900		ug/Kg	☼	85	49 - 103
Benzaldehyde	ND		6930	4370		ug/Kg	☼	63	23 - 105
Benzo[a]anthracene	ND		6930	6000		ug/Kg	☼	87	51 - 100
Benzo[a]pyrene	ND		6930	5650		ug/Kg	☼	81	51 - 100
Benzo[b]fluoranthene	ND		6930	5740		ug/Kg	☼	83	48 - 100
Benzo[g,h,i]perylene	ND		6930	5600		ug/Kg	☼	81	48 - 105
Benzo[k]fluoranthene	ND		6930	5590		ug/Kg	☼	81	19 - 100
1,1'-Biphenyl	ND		6930	5260		ug/Kg	☼	76	50 - 100
Bis(2-chloroethoxy)methane	ND		6930	5930		ug/Kg	☼	86	49 - 100
Bis(2-chloroethyl)ether	ND		6930	5560		ug/Kg	☼	80	48 - 100
Bis(2-ethylhexyl) phthalate	ND		6930	5610		ug/Kg	☼	81	53 - 107
4-Bromophenyl phenyl ether	ND		6930	5640		ug/Kg	☼	81	52 - 101
Butyl benzyl phthalate	ND		6930	5550		ug/Kg	☼	80	52 - 107
Caprolactam	ND		6930	6680		ug/Kg	☼	96	48 - 111
Carbazole	ND		6930	5180		ug/Kg	☼	75	53 - 100
4-Chloroaniline	ND		6930	4300		ug/Kg	☼	62	47 - 100
4-Chloro-3-methylphenol	ND		6930	6200		ug/Kg	☼	89	49 - 106
2-Chloronaphthalene	ND		6930	5490		ug/Kg	☼	79	51 - 100
2-Chlorophenol	ND		6930	5170		ug/Kg	☼	75	51 - 100
4-Chlorophenyl phenyl ether	ND		6930	5910		ug/Kg	☼	85	52 - 100
Chrysene	ND		6930	5140		ug/Kg	☼	74	50 - 100
Dibenz(a,h)anthracene	ND		6930	6170		ug/Kg	☼	89	50 - 107
Dibenzofuran	ND		6930	5320		ug/Kg	☼	77	52 - 100
3,3'-Dichlorobenzidine	ND		6930	4050		ug/Kg	☼	58	43 - 100
2,4-Dichlorophenol	ND		6930	5990		ug/Kg	☼	86	53 - 101
Diethyl phthalate	ND		6930	5720		ug/Kg	☼	83	48 - 104
2,4-Dimethylphenol	ND		6930	5650		ug/Kg	☼	82	51 - 101
Dimethyl phthalate	ND		6930	5880		ug/Kg	☼	85	53 - 100
Di-n-butyl phthalate	270	J	6930	5990		ug/Kg	☼	82	57 - 102
4,6-Dinitro-2-methylphenol	ND		13900	11200		ug/Kg	☼	80	51 - 100
2,4-Dinitrophenol	ND		13900	7100		ug/Kg	☼	51	33 - 101
2,4-Dinitrotoluene	ND		6930	6240		ug/Kg	☼	90	54 - 104
2,6-Dinitrotoluene	ND		6930	6210		ug/Kg	☼	90	51 - 106
Di-n-octyl phthalate	ND		6930	6130		ug/Kg	☼	88	41 - 106
1,4-Dioxane	ND		6930	4820		ug/Kg	☼	70	25 - 125
Fluoranthene	ND		6930	5790		ug/Kg	☼	83	55 - 100
Fluorene	ND		6930	5520		ug/Kg	☼	80	52 - 100
Hexachlorobenzene	ND		6930	5100		ug/Kg	☼	74	49 - 100
Hexachlorobutadiene	ND		6930	5490		ug/Kg	☼	79	38 - 107
Hexachlorocyclopentadiene	ND		6930	6090		ug/Kg	☼	88	33 - 117
Hexachloroethane	ND		6930	5050		ug/Kg	☼	73	47 - 100
Indeno[1,2,3-cd]pyrene	ND		6930	6140		ug/Kg	☼	89	51 - 103
Isophorone	ND		6930	6210		ug/Kg	☼	90	48 - 105
2-Methylnaphthalene	ND		6930	5300		ug/Kg	☼	76	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	ND		6930	5610		ug/Kg	☼	81	50 - 101
Methylphenol, 3 & 4	ND		6930	5540		ug/Kg	☼	80	50 - 103
Naphthalene	ND		6930	4980		ug/Kg	☼	72	51 - 100
2-Nitroaniline	ND		6930	7180		ug/Kg	☼	104	42 - 123
3-Nitroaniline	ND		6930	5090		ug/Kg	☼	73	50 - 103
4-Nitroaniline	ND		6930	5520		ug/Kg	☼	80	52 - 103
Nitrobenzene	ND		6930	5950		ug/Kg	☼	86	44 - 108
2-Nitrophenol	ND		6930	5990		ug/Kg	☼	86	55 - 107
4-Nitrophenol	ND		13900	13800		ug/Kg	☼	100	30 - 134
N-Nitrosodi-n-propylamine	ND		6930	5610		ug/Kg	☼	81	45 - 107
N-Nitrosodiphenylamine	ND		6930	5410		ug/Kg	☼	78	52 - 100
2,2'-oxybis[1-chloropropane]	ND		6930	3970		ug/Kg	☼	57	30 - 113
Pentachlorophenol	ND		13900	10800		ug/Kg	☼	78	42 - 110
Phenanthrene	ND		6930	5230		ug/Kg	☼	76	53 - 100
Phenol	ND		6930	5590		ug/Kg	☼	81	49 - 100
Pyrene	ND		6930	5570		ug/Kg	☼	80	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		6930	5770		ug/Kg	☼	83	41 - 104
2,3,4,6-Tetrachlorophenol	ND		6930	6000		ug/Kg	☼	87	47 - 104
2,4,5-Trichlorophenol	ND		6930	6420		ug/Kg	☼	93	50 - 104
2,4,6-Trichlorophenol	ND		6930	6690		ug/Kg	☼	97	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*44 - 105*
2-Fluorophenol (Surr)	*79*		*48 - 105*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*
Phenol-d5 (Surr)	*81*		*46 - 105*
Terphenyl-d14 (Surr)	*77*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*

Lab Sample ID: 180-154312-15 MSD
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7020	5170		ug/Kg	☼	74	50 - 100	0	20
Acenaphthylene	ND		7020	5400		ug/Kg	☼	77	52 - 100	1	20
Acetophenone	ND		7020	5230		ug/Kg	☼	74	48 - 100	0	17
Anthracene	ND		7020	5180		ug/Kg	☼	74	53 - 100	5	20
Atrazine	ND		7020	5640		ug/Kg	☼	80	49 - 103	5	19
Benzaldehyde	ND		7020	4520		ug/Kg	☼	64	23 - 105	3	31
Benzo[a]anthracene	ND		7020	5700		ug/Kg	☼	81	51 - 100	5	21
Benzo[a]pyrene	ND		7020	5430		ug/Kg	☼	77	51 - 100	4	20
Benzo[b]fluoranthene	ND		7020	5820		ug/Kg	☼	83	48 - 100	1	20
Benzo[g,h,i]perylene	ND		7020	5510		ug/Kg	☼	78	48 - 105	2	19
Benzo[k]fluoranthene	ND		7020	5160		ug/Kg	☼	74	19 - 100	8	20
1,1'-Biphenyl	ND		7020	5110		ug/Kg	☼	73	50 - 100	3	19
Bis(2-chloroethoxy)methane	ND		7020	5980		ug/Kg	☼	85	49 - 100	1	20
Bis(2-chloroethyl)ether	ND		7020	5600		ug/Kg	☼	80	48 - 100	1	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154312-15 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B34
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431778
Prep Batch: 431688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	ND		7020	5420		ug/Kg	☼	77	53 - 107	3	20
4-Bromophenyl phenyl ether	ND		7020	5460		ug/Kg	☼	78	52 - 101	3	20
Butyl benzyl phthalate	ND		7020	5290		ug/Kg	☼	75	52 - 107	5	19
Caprolactam	ND		7020	6810		ug/Kg	☼	97	48 - 111	2	23
Carbazole	ND		7020	5030		ug/Kg	☼	72	53 - 100	3	20
4-Chloroaniline	ND		7020	4230		ug/Kg	☼	60	47 - 100	1	20
4-Chloro-3-methylphenol	ND		7020	5990		ug/Kg	☼	85	49 - 106	4	20
2-Chloronaphthalene	ND		7020	5480		ug/Kg	☼	78	51 - 100	0	20
2-Chlorophenol	ND		7020	5170		ug/Kg	☼	74	51 - 100	0	17
4-Chlorophenyl phenyl ether	ND		7020	5810		ug/Kg	☼	83	52 - 100	2	19
Chrysene	ND		7020	4970		ug/Kg	☼	71	50 - 100	3	20
Dibenz(a,h)anthracene	ND		7020	5960		ug/Kg	☼	85	50 - 107	3	21
Dibenzofuran	ND		7020	5200		ug/Kg	☼	74	52 - 100	2	19
3,3'-Dichlorobenzidine	ND		7020	3900		ug/Kg	☼	56	43 - 100	4	19
2,4-Dichlorophenol	ND		7020	5860		ug/Kg	☼	83	53 - 101	2	22
Diethyl phthalate	ND		7020	5590		ug/Kg	☼	80	48 - 104	2	20
2,4-Dimethylphenol	ND		7020	5730		ug/Kg	☼	82	51 - 101	1	32
Dimethyl phthalate	ND		7020	5750		ug/Kg	☼	82	53 - 100	2	21
Di-n-butyl phthalate	270	J	7020	5820		ug/Kg	☼	79	57 - 102	3	20
4,6-Dinitro-2-methylphenol	ND		14000	10500		ug/Kg	☼	75	51 - 100	6	22
2,4-Dinitrophenol	ND		14000	6760		ug/Kg	☼	48	33 - 101	5	20
2,4-Dinitrotoluene	ND		7020	6110		ug/Kg	☼	87	54 - 104	2	20
2,6-Dinitrotoluene	ND		7020	6190		ug/Kg	☼	88	51 - 106	0	20
Di-n-octyl phthalate	ND		7020	5870		ug/Kg	☼	84	41 - 106	4	18
1,4-Dioxane	ND		7020	4660		ug/Kg	☼	66	25 - 125	3	17
Fluoranthene	ND		7020	5620		ug/Kg	☼	80	55 - 100	3	20
Fluorene	ND		7020	5450		ug/Kg	☼	78	52 - 100	1	19
Hexachlorobenzene	ND		7020	4840		ug/Kg	☼	69	49 - 100	5	20
Hexachlorobutadiene	ND		7020	5500		ug/Kg	☼	78	38 - 107	0	22
Hexachlorocyclopentadiene	ND		7020	6050		ug/Kg	☼	86	33 - 117	1	19
Hexachloroethane	ND		7020	4900		ug/Kg	☼	70	47 - 100	3	17
Indeno[1,2,3-cd]pyrene	ND		7020	5850		ug/Kg	☼	83	51 - 103	5	19
Isophorone	ND		7020	6170		ug/Kg	☼	88	48 - 105	1	20
2-Methylnaphthalene	ND		7020	5240		ug/Kg	☼	75	53 - 100	1	21
2-Methylphenol	ND		7020	5500		ug/Kg	☼	78	50 - 101	2	17
Methylphenol, 3 & 4	ND		7020	5570		ug/Kg	☼	79	50 - 103	1	19
Naphthalene	ND		7020	4980		ug/Kg	☼	71	51 - 100	0	20
2-Nitroaniline	ND		7020	6970		ug/Kg	☼	99	42 - 123	3	19
3-Nitroaniline	ND		7020	5030		ug/Kg	☼	72	50 - 103	1	20
4-Nitroaniline	ND		7020	5200		ug/Kg	☼	74	52 - 103	6	18
Nitrobenzene	ND		7020	5970		ug/Kg	☼	85	44 - 108	0	21
2-Nitrophenol	ND		7020	6030		ug/Kg	☼	86	55 - 107	1	19
4-Nitrophenol	ND		14000	13100		ug/Kg	☼	93	30 - 134	5	18
N-Nitrosodi-n-propylamine	ND		7020	5510		ug/Kg	☼	79	45 - 107	2	18
N-Nitrosodiphenylamine	ND		7020	5140		ug/Kg	☼	73	52 - 100	5	20
2,2'-oxybis[1-chloropropane]	ND		7020	4000		ug/Kg	☼	57	30 - 113	1	17
Pentachlorophenol	ND		14000	10300		ug/Kg	☼	73	42 - 110	5	20
Phenanthrene	ND		7020	4990		ug/Kg	☼	71	53 - 100	5	20
Phenol	ND		7020	5520		ug/Kg	☼	79	49 - 100	1	16

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154312-15 MSD
Matrix: Solid
Analysis Batch: 431778

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	ND		7020	5400		ug/Kg	☼	77	52 - 100	3	20
1,2,4,5-Tetrachlorobenzene	ND		7020	5600		ug/Kg	☼	80	41 - 104	3	21
2,3,4,6-Tetrachlorophenol	ND		7020	5960		ug/Kg	☼	85	47 - 104	1	18
2,4,5-Trichlorophenol	ND		7020	6370		ug/Kg	☼	91	50 - 104	1	21
2,4,6-Trichlorophenol	ND		7020	6680		ug/Kg	☼	95	50 - 105	0	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*
Phenol-d5 (Surr)	*80*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-430990/1-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1221	ND		17	5.9	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1232	ND		17	4.1	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1242	ND		17	2.4	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1248	ND		17	4.0	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1254	ND		17	5.0	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1260	ND		17	4.7	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1262	ND		17	5.9	ug/Kg		03/31/23 17:05	04/04/23 19:26	1
PCB-1268	ND		17	2.2	ug/Kg		03/31/23 17:05	04/04/23 19:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*03/31/23 17:05*	*04/04/23 19:26*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*03/31/23 17:05*	*04/04/23 19:26*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*03/31/23 17:05*	*04/04/23 19:26*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*03/31/23 17:05*	*04/04/23 19:26*	*1*

Lab Sample ID: LCS 180-430990/2-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430990

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1130		ug/Kg		85	43 - 136		
PCB-1260			1330	1300		ug/Kg		98	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-430990/2-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430990

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 430990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1410	1600		ug/Kg	☼	113	43 - 136
PCB-1260	ND		1410	1680		ug/Kg	☼	119	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*120*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*

Lab Sample ID: 180-154312-15 MSD
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 430990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1420	1600		ug/Kg	☼	113	43 - 136	1	40
PCB-1260	ND		1420	1770		ug/Kg	☼	125	55 - 128	5	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*

Lab Sample ID: MB 180-430992/1-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430992

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1221	ND		17	5.9	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1232	ND		17	4.1	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1242	ND		17	2.4	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1248	ND		17	4.0	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1254	ND		17	5.0	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1260	ND		17	4.7	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1262	ND		17	5.9	ug/Kg		03/31/23 17:28	04/04/23 17:33	1
PCB-1268	ND		17	2.2	ug/Kg		03/31/23 17:28	04/04/23 17:33	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-430992/1-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430992

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	107		63 - 138	03/31/23 17:28	04/04/23 17:33	1
DCB Decachlorobiphenyl (Surr)	106		63 - 138	03/31/23 17:28	04/04/23 17:33	1
Tetrachloro-m-xylene (Surr)	86		55 - 135	03/31/23 17:28	04/04/23 17:33	1
Tetrachloro-m-xylene (Surr)	87		55 - 135	03/31/23 17:28	04/04/23 17:33	1

Lab Sample ID: LCS 180-430992/2-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430992

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1120		ug/Kg		84	43 - 136		
PCB-1260			1330	1300		ug/Kg		98	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	99		63 - 138
DCB Decachlorobiphenyl (Surr)	100		63 - 138
Tetrachloro-m-xylene (Surr)	81		55 - 135
Tetrachloro-m-xylene (Surr)	83		55 - 135

Lab Sample ID: LCSD 180-430992/3-C
Matrix: Solid
Analysis Batch: 431205

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 430992

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1080		ug/Kg		81	43 - 136	3	40
PCB-1260			1330	1270		ug/Kg		95	55 - 128	3	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	98		63 - 138
DCB Decachlorobiphenyl (Surr)	94		63 - 138
Tetrachloro-m-xylene (Surr)	83		55 - 135
Tetrachloro-m-xylene (Surr)	83		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-431119/1-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Antimony	ND		1.0	0.30	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Arsenic	ND		1.0	0.63	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Barium	ND		20	3.6	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Beryllium	ND		0.40	0.11	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Cadmium	ND		0.50	0.073	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Calcium	ND		500	65	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Chromium	ND		0.50	0.46	mg/Kg		04/03/23 11:11	04/17/23 13:25	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-431119/1-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		5.0	0.70	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Copper	ND		2.5	1.5	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Lead	ND		1.0	0.87	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Magnesium	ND		500	55	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Manganese	0.349	J	1.5	0.28	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Nickel	ND		4.0	0.50	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Potassium	ND		500	85	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Selenium	ND		1.0	0.46	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Silver	ND		0.50	0.10	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Sodium	ND		500	51	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Thallium	ND		2.0	0.28	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Vanadium	ND		5.0	0.79	mg/Kg		04/03/23 11:11	04/17/23 13:25	1
Zinc	1.90	J	2.0	1.5	mg/Kg		04/03/23 11:11	04/17/23 13:25	1

Lab Sample ID: LCS 180-431119/2-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	543		mg/Kg		109	80 - 120
Antimony	25.0	26.9		mg/Kg		108	80 - 120
Arsenic	100	112		mg/Kg		112	80 - 120
Barium	100	104		mg/Kg		104	80 - 120
Beryllium	50.0	52.3		mg/Kg		105	80 - 120
Cadmium	50.0	53.7		mg/Kg		107	80 - 120
Calcium	2500	2710		mg/Kg		108	80 - 120
Chromium	50.0	53.4		mg/Kg		107	80 - 120
Cobalt	50.0	53.4		mg/Kg		107	80 - 120
Copper	50.0	52.3		mg/Kg		105	80 - 120
Lead	50.0	53.1		mg/Kg		106	80 - 120
Magnesium	2500	2730		mg/Kg		109	80 - 120
Manganese	50.0	51.5		mg/Kg		103	80 - 120
Nickel	50.0	53.0		mg/Kg		106	80 - 120
Potassium	2500	2670		mg/Kg		107	80 - 120
Selenium	100	106		mg/Kg		106	80 - 120
Silver	25.0	26.1		mg/Kg		104	80 - 120
Sodium	2500	2740		mg/Kg		110	80 - 120
Thallium	100	105		mg/Kg		105	80 - 120
Vanadium	50.0	53.7		mg/Kg		107	80 - 120
Zinc	25.0	28.3		mg/Kg		113	80 - 120

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	8400		437	11200	4	mg/Kg	☼	634	75 - 125
Antimony	ND	F1	21.9	8.57	F1	mg/Kg	☼	39	75 - 125
Arsenic	8.7		87.5	84.5		mg/Kg	☼	87	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	62	F2	87.5	162		mg/Kg	☼	114	75 - 125
Beryllium	0.35		43.7	34.2		mg/Kg	☼	77	75 - 125
Cadmium	0.47		43.7	34.7		mg/Kg	☼	78	75 - 125
Calcium	6200	F2 F1	2190	6010	F1	mg/Kg	☼	-9	75 - 125
Chromium	10		43.7	48.3		mg/Kg	☼	88	75 - 125
Cobalt	9.0		43.7	51.6		mg/Kg	☼	97	75 - 125
Copper	15		43.7	55.6		mg/Kg	☼	94	75 - 125
Lead	11		43.7	53.7		mg/Kg	☼	98	75 - 125
Magnesium	2800		2190	5330		mg/Kg	☼	115	75 - 125
Manganese	430	F2 B	43.7	552	4	mg/Kg	☼	281	75 - 125
Nickel	19		43.7	65.1		mg/Kg	☼	105	75 - 125
Potassium	650	F1	2190	2240	F1	mg/Kg	☼	73	75 - 125
Selenium	ND		87.5	70.0		mg/Kg	☼	80	75 - 125
Silver	ND		21.9	18.1		mg/Kg	☼	83	75 - 125
Sodium	36	J	2190	1860		mg/Kg	☼	83	75 - 125
Thallium	0.20	J	87.5	76.4		mg/Kg	☼	87	75 - 125
Vanadium	12		43.7	50.6		mg/Kg	☼	89	75 - 125
Zinc	45	B F1	21.9	78.8	F1	mg/Kg	☼	153	75 - 125

Lab Sample ID: 180-154312-15 MSD
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 431119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	8400		424	9590	4	mg/Kg	☼	274	75 - 125	16	20
Antimony	ND	F1	21.2	9.41	F1	mg/Kg	☼	44	75 - 125	9	20
Arsenic	8.7		84.7	77.2		mg/Kg	☼	81	75 - 125	9	20
Barium	62	F2	84.7	131	F2	mg/Kg	☼	81	75 - 125	21	20
Beryllium	0.35		42.4	32.4		mg/Kg	☼	76	75 - 125	5	20
Cadmium	0.47		42.4	32.7		mg/Kg	☼	76	75 - 125	6	20
Calcium	6200	F2 F1	2120	4590	F2 F1	mg/Kg	☼	-76	75 - 125	27	20
Chromium	10		42.4	44.6		mg/Kg	☼	82	75 - 125	8	20
Cobalt	9.0		42.4	45.9		mg/Kg	☼	87	75 - 125	12	20
Copper	15		42.4	48.1		mg/Kg	☼	79	75 - 125	14	20
Lead	11		42.4	46.9		mg/Kg	☼	85	75 - 125	13	20
Magnesium	2800		2120	4720		mg/Kg	☼	90	75 - 125	12	20
Manganese	430	F2 B	42.4	349	4 F2	mg/Kg	☼	-188	75 - 125	45	20
Nickel	19		42.4	57.7		mg/Kg	☼	91	75 - 125	12	20
Potassium	650	F1	2120	2160	F1	mg/Kg	☼	71	75 - 125	4	20
Selenium	ND		84.7	65.6		mg/Kg	☼	77	75 - 125	7	20
Silver	ND		21.2	16.6		mg/Kg	☼	79	75 - 125	8	20
Sodium	36	J	2120	1770		mg/Kg	☼	82	75 - 125	5	20
Thallium	0.20	J	84.7	70.0		mg/Kg	☼	82	75 - 125	9	20
Vanadium	12		42.4	45.6		mg/Kg	☼	80	75 - 125	10	20
Zinc	45	B F1	21.2	68.2		mg/Kg	☼	108	75 - 125	14	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-431235/1-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Antimony	ND		1.0	0.30	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Arsenic	ND		1.0	0.63	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Barium	ND		20	3.6	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Beryllium	ND		0.40	0.11	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Cadmium	ND		0.50	0.073	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Calcium	ND		500	65	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Chromium	ND		0.50	0.46	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Cobalt	ND		5.0	0.70	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Copper	ND		2.5	1.5	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Iron	34.3		10	9.7	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Lead	ND		1.0	0.87	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Magnesium	ND		500	55	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Manganese	ND		1.5	0.28	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Nickel	ND		4.0	0.50	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Potassium	147	J	500	85	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Selenium	ND		1.0	0.46	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Silver	ND		0.50	0.10	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Sodium	ND		500	51	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Thallium	ND		2.0	0.28	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Vanadium	ND		5.0	0.79	mg/Kg		04/04/23 09:10	04/06/23 17:20	1
Zinc	ND		2.0	1.5	mg/Kg		04/04/23 09:10	04/06/23 17:20	1

Lab Sample ID: LCS 180-431235/2-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	508		mg/Kg		102	80 - 120
Antimony	25.0	26.1		mg/Kg		105	80 - 120
Arsenic	100	104		mg/Kg		104	80 - 120
Barium	100	99.7		mg/Kg		100	80 - 120
Beryllium	50.0	49.4		mg/Kg		99	80 - 120
Cadmium	50.0	49.7		mg/Kg		99	80 - 120
Calcium	2500	2530		mg/Kg		101	80 - 120
Chromium	50.0	50.9		mg/Kg		102	80 - 120
Cobalt	50.0	48.4		mg/Kg		97	80 - 120
Copper	50.0	50.4		mg/Kg		101	80 - 120
Iron	500	499		mg/Kg		100	80 - 120
Lead	50.0	50.4		mg/Kg		101	80 - 120
Magnesium	2500	2540		mg/Kg		102	80 - 120
Manganese	50.0	48.3		mg/Kg		97	80 - 120
Nickel	50.0	50.2		mg/Kg		100	80 - 120
Potassium	2500	2590		mg/Kg		104	80 - 120
Selenium	100	102		mg/Kg		102	80 - 120
Silver	25.0	24.8		mg/Kg		99	80 - 120
Sodium	2500	2600		mg/Kg		104	80 - 120
Thallium	100	99.6		mg/Kg		100	80 - 120
Vanadium	50.0	52.4		mg/Kg		105	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431235/2-A
Matrix: Solid
Analysis Batch: 431651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	25.0	26.0		mg/Kg		104	80 - 120

Lab Sample ID: MB 180-431582/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Antimony	ND		1.0	0.30	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Arsenic	ND		1.0	0.63	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Barium	ND		20	3.6	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Beryllium	ND		0.40	0.11	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Cadmium	ND		0.50	0.073	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Calcium	ND		500	65	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Chromium	ND		0.50	0.46	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Cobalt	ND		5.0	0.70	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Copper	ND		2.5	1.5	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Iron	24.5		10	9.7	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Lead	ND		1.0	0.87	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Magnesium	ND		500	55	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Manganese	ND		1.5	0.28	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Nickel	ND		4.0	0.50	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Potassium	107	J	500	85	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Selenium	ND		1.0	0.46	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Silver	ND		0.50	0.10	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Sodium	ND		500	51	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Thallium	ND		2.0	0.28	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Vanadium	ND		5.0	0.79	mg/Kg		04/06/23 12:36	04/20/23 14:19	1
Zinc	ND		2.0	1.5	mg/Kg		04/06/23 12:36	04/20/23 14:19	1

Lab Sample ID: LCS 180-431582/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	524		mg/Kg		105	80 - 120
Antimony	25.0	27.4		mg/Kg		109	80 - 120
Arsenic	100	109		mg/Kg		109	80 - 120
Barium	100	105		mg/Kg		105	80 - 120
Beryllium	50.0	52.3		mg/Kg		105	80 - 120
Cadmium	50.0	52.7		mg/Kg		105	80 - 120
Calcium	2500	2640		mg/Kg		106	80 - 120
Chromium	50.0	52.1		mg/Kg		104	80 - 120
Cobalt	50.0	51.6		mg/Kg		103	80 - 120
Copper	50.0	52.0		mg/Kg		104	80 - 120
Iron	500	542		mg/Kg		108	80 - 120
Lead	50.0	50.7		mg/Kg		101	80 - 120
Magnesium	2500	2720		mg/Kg		109	80 - 120
Manganese	50.0	51.0		mg/Kg		102	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431582/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	50.0	51.2		mg/Kg		102	80 - 120
Potassium	2500	2610		mg/Kg		104	80 - 120
Selenium	100	105		mg/Kg		105	80 - 120
Silver	25.0	25.6		mg/Kg		102	80 - 120
Sodium	2500	2690		mg/Kg		108	80 - 120
Thallium	100	100		mg/Kg		100	80 - 120
Vanadium	50.0	51.7		mg/Kg		103	80 - 120
Zinc	25.0	27.6		mg/Kg		110	80 - 120

Lab Sample ID: MB 180-431793/1-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Antimony	ND		1.0	0.30	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Barium	ND		20	3.6	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Beryllium	ND		0.40	0.11	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Cadmium	ND		0.50	0.073	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Calcium	ND		500	65	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Chromium	ND		0.50	0.46	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Cobalt	ND		5.0	0.70	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Copper	ND		2.5	1.5	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Iron	ND		10	9.7	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Lead	ND		1.0	0.87	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Manganese	ND		1.5	0.28	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Nickel	ND		4.0	0.50	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Selenium	ND		1.0	0.46	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Silver	ND		0.50	0.10	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Thallium	ND		2.0	0.28	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Vanadium	ND		5.0	0.79	mg/Kg		04/10/23 08:17	04/22/23 02:09	1
Zinc	1.61	J	2.0	1.5	mg/Kg		04/10/23 08:17	04/22/23 02:09	1

Lab Sample ID: MB 180-431793/1-A
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		04/10/23 08:17	04/26/23 21:40	1
Magnesium	ND		500	55	mg/Kg		04/10/23 08:17	04/26/23 21:40	1
Potassium	ND		500	85	mg/Kg		04/10/23 08:17	04/26/23 21:40	1
Sodium	ND		500	51	mg/Kg		04/10/23 08:17	04/26/23 21:40	1

Lab Sample ID: LCS 180-431793/2-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	507		mg/Kg		101	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431793/2-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	25.0	25.9		mg/Kg		103	80 - 120
Barium	100	101		mg/Kg		101	80 - 120
Beryllium	50.0	49.4		mg/Kg		99	80 - 120
Cadmium	50.0	52.1		mg/Kg		104	80 - 120
Calcium	2500	2600		mg/Kg		104	80 - 120
Chromium	50.0	50.5		mg/Kg		101	80 - 120
Cobalt	50.0	49.6		mg/Kg		99	80 - 120
Copper	50.0	48.6		mg/Kg		97	80 - 120
Iron	500	516		mg/Kg		103	80 - 120
Lead	50.0	50.4		mg/Kg		101	80 - 120
Manganese	50.0	49.0		mg/Kg		98	80 - 120
Nickel	50.0	50.1		mg/Kg		100	80 - 120
Selenium	100	102		mg/Kg		102	80 - 120
Silver	25.0	23.5		mg/Kg		94	80 - 120
Thallium	100	98.6		mg/Kg		99	80 - 120
Vanadium	50.0	50.3		mg/Kg		101	80 - 120
Zinc	25.0	28.9		mg/Kg		115	80 - 120

Lab Sample ID: LCS 180-431793/2-A
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	107		mg/Kg		107	80 - 120
Magnesium	2500	2570		mg/Kg		103	80 - 120
Potassium	2500	2650		mg/Kg		106	80 - 120
Sodium	2500	2670		mg/Kg		107	80 - 120

Lab Sample ID: 180-154312-20 MS
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: SSHS-IRM5A2-DUP290
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	3800		359	8880	4	mg/Kg	☼	1412	75 - 125
Antimony	0.44	J F1	18.0	7.09	F1	mg/Kg	☼	37	75 - 125
Barium	38		71.9	122		mg/Kg	☼	117	75 - 125
Beryllium	0.17	J F1	35.9	24.2	F1	mg/Kg	☼	67	75 - 125
Cadmium	0.24	J F1	35.9	25.6	F1	mg/Kg	☼	71	75 - 125
Calcium	970	F1	1800	4400	F1	mg/Kg	☼	191	75 - 125
Chromium	4.9		35.9	35.2		mg/Kg	☼	84	75 - 125
Cobalt	3.7	J	35.9	35.0		mg/Kg	☼	87	75 - 125
Copper	8.5		35.9	38.2		mg/Kg	☼	82	75 - 125
Iron	11000		359	21700	4	mg/Kg	☼	3110	75 - 125
Lead	8.3		35.9	40.1		mg/Kg	☼	88	75 - 125
Manganese	180		35.9	413	4	mg/Kg	☼	642	75 - 125
Nickel	8.0		35.9	45.0		mg/Kg	☼	103	75 - 125
Selenium	ND	F1	71.9	47.6	F1	mg/Kg	☼	66	75 - 125
Silver	ND	F1	18.0	11.4	F1	mg/Kg	☼	64	75 - 125
Thallium	0.46	J F1	71.9	52.5	F1	mg/Kg	☼	72	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-154312-20 MS
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: SSHS-IRM5A2-DUP290
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	6.0		35.9	37.0		mg/Kg	☼	86	75 - 125
Zinc	24	F1 B	18.0	61.7	F1	mg/Kg	☼	211	75 - 125

Lab Sample ID: 180-154312-20 MS
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: SSHS-IRM5A2-DUP290
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	4.5		71.9	59.8		mg/Kg	☼	77	75 - 125
Magnesium	1200	F1	1800	4020	F1	mg/Kg	☼	155	75 - 125
Potassium	86	J	1800	1790		mg/Kg	☼	95	75 - 125
Sodium	ND	F1	1800	1340		mg/Kg	☼	75	75 - 125

Lab Sample ID: 180-154312-20 MSD
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: SSHS-IRM5A2-DUP290
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	3800		354	9240	4	mg/Kg	☼	1532	75 - 125	4	20
Antimony	0.44	J F1	17.7	5.97	F1	mg/Kg	☼	31	75 - 125	17	20
Barium	38		70.9	123		mg/Kg	☼	119	75 - 125	0	20
Beryllium	0.17	J F1	35.4	23.8	F1	mg/Kg	☼	67	75 - 125	2	20
Cadmium	0.24	J F1	35.4	25.6	F1	mg/Kg	☼	71	75 - 125	0	20
Calcium	970	F1	1770	3810	F1	mg/Kg	☼	160	75 - 125	14	20
Chromium	4.9		35.4	34.0		mg/Kg	☼	82	75 - 125	4	20
Cobalt	3.7	J	35.4	34.7		mg/Kg	☼	87	75 - 125	1	20
Copper	8.5		35.4	42.2		mg/Kg	☼	95	75 - 125	10	20
Iron	11000		354	23500	4	mg/Kg	☼	3652	75 - 125	8	20
Lead	8.3		35.4	41.7		mg/Kg	☼	94	75 - 125	4	20
Manganese	180		35.4	352	4	mg/Kg	☼	481	75 - 125	16	20
Nickel	8.0		35.4	45.9		mg/Kg	☼	107	75 - 125	2	20
Selenium	ND	F1	70.9	48.3	F1	mg/Kg	☼	68	75 - 125	1	20
Silver	ND	F1	17.7	11.1	F1	mg/Kg	☼	63	75 - 125	3	20
Thallium	0.46	J F1	70.9	52.7	F1	mg/Kg	☼	74	75 - 125	0	20
Vanadium	6.0		35.4	36.0		mg/Kg	☼	85	75 - 125	3	20
Zinc	24	F1 B	17.7	63.9	F1	mg/Kg	☼	227	75 - 125	3	20

Lab Sample ID: 180-154312-20 MSD
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: SSHS-IRM5A2-DUP290
Prep Type: Total/NA
Prep Batch: 431793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	4.5		70.9	58.3		mg/Kg	☼	76	75 - 125	3	20
Magnesium	1200	F1	1770	4100	F1	mg/Kg	☼	162	75 - 125	2	20
Potassium	86	J	1770	1550		mg/Kg	☼	83	75 - 125	14	20
Sodium	ND	F1	1770	1300	F1	mg/Kg	☼	73	75 - 125	3	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-432624/1-A
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		10	9.7	mg/Kg		04/18/23 10:56	04/19/23 21:01	1

Lab Sample ID: LCS 180-432624/2-A
Matrix: Solid
Analysis Batch: 432842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	500	595		mg/Kg		119	80 - 120

Lab Sample ID: 180-154312-15 MS
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 432624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	31000		314	30800	4	mg/Kg	☼	-169	75 - 125

Lab Sample ID: 180-154312-15 MSD
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: SSHS-IRM5A2-MSA-B34
Prep Type: Total/NA
Prep Batch: 432624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	31000		381	25200	4	mg/Kg	☼	-1606	75 - 125	20	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-432413/1-A
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/17/23 10:30	04/19/23 09:22	1

Lab Sample ID: LCS 180-432413/2-A
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.426		mg/Kg		102	80 - 120

Lab Sample ID: MB 180-432415/1-A
Matrix: Solid
Analysis Batch: 432782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/17/23 10:40	04/19/23 09:54	1

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-432415/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432782
Prep Batch: 432415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.404		mg/Kg		97	80 - 120		

Lab Sample ID: 180-154312-15 MS
Client Sample ID: SSHS-IRM5A2-MSA-B34
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432782
Prep Batch: 432415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.157	0.161		mg/Kg	☼	103	80 - 120		

Lab Sample ID: 180-154312-15 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B34
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432782
Prep Batch: 432415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.162	0.160		mg/Kg	☼	99	80 - 120	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-154312-15 DU
Client Sample ID: SSHS-IRM5A2-MSA-B34
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 430953

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.3			6.3		%				0.6	10
Percent Solids	93.7			93.7		%				0	10

GC/MS VOA

Analysis Batch: 431387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	EPA 8260C	431446
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	EPA 8260C	431446
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	EPA 8260C	431446
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	EPA 8260C	431446
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	EPA 8260C	431446
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	EPA 8260C	431446
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	EPA 8260C	431446
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	EPA 8260C	431446
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	EPA 8260C	431446
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	EPA 8260C	431446
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	EPA 8260C	431446
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	EPA 8260C	431446
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8260C	431446
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	EPA 8260C	431446
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	EPA 8260C	431446
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	EPA 8260C	431446
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	EPA 8260C	431446
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	EPA 8260C	431446
MB 180-431387/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431387/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-431387/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8260C	431446
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8260C	431446

Prep Batch: 431446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	5035	
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	5035	
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	5035	
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	5035	
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	5035	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	5035	
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	5035	
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	5035	
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	5035	
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	5035	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	5035	
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	5035	
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	5035	
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	5035	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	5035	
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	5035	
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	5035	
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	5035	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	5035	
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	5035	

Analysis Batch: 431516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 8260C	431630
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	EPA 8260C	431630

GC/MS VOA (Continued)

Analysis Batch: 431516 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	EPA 8260C	431630
MB 180-431516/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431516/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 431630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	5035	
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	5035	
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	5035	

Analysis Batch: 432068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	EPA 8260C	432099
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	EPA 8260C	432099
MB 180-432068/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-432068/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-432068/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 432099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	5035	
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 431125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	3541	
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	3541	
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	3541	
MB 180-431125/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-431125/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-431125/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 431210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	EPA 8270D	431125
MB 180-431125/1-A	Method Blank	Total/NA	Solid	EPA 8270D	431125
LCS 180-431125/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	431125
LCSD 180-431125/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	431125

Analysis Batch: 431382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	EPA 8270D	431125

Analysis Batch: 431563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	EPA 8270D	431125

GC/MS Semi VOA

Prep Batch: 431688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	3541	
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	3541	
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	3541	
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	3541	
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	3541	
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	3541	
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	3541	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	3541	
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	3541	
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	3541	
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	3541	
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	3541	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	3541	
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	3541	
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3541	
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	3541	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	3541	
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	3541	
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	3541	
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	3541	
MB 180-431688/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-431688/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3541	
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3541	

Analysis Batch: 431778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	EPA 8270D	431688
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	EPA 8270D	431688
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	EPA 8270D	431688
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	EPA 8270D	431688
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	EPA 8270D	431688
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	EPA 8270D	431688
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	EPA 8270D	431688
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	EPA 8270D	431688
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	EPA 8270D	431688
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	EPA 8270D	431688
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	EPA 8270D	431688
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	EPA 8270D	431688
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	EPA 8270D	431688
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	EPA 8270D	431688
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8270D	431688
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	EPA 8270D	431688
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	EPA 8270D	431688
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	EPA 8270D	431688
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	EPA 8270D	431688
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 8270D	431688
MB 180-431688/1-A	Method Blank	Total/NA	Solid	EPA 8270D	431688
LCS 180-431688/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	431688
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8270D	431688
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8270D	431688

GC Semi VOA

Prep Batch: 430990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	3541	
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	3541	
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	3541	
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	3541	
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	3541	
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	3541	
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	3541	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	3541	
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	3541	
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	3541	
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	3541	
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	3541	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	3541	
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	3541	
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3541	
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	3541	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	3541	
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	3541	
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	3541	
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	3541	
MB 180-430990/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-430990/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3541	
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3541	

Prep Batch: 430992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	3541	
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	3541	
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	3541	
MB 180-430992/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-430992/2-C	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-430992/3-C	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 431000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	3665A	430990
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	3665A	430990
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	3665A	430990
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	3665A	430990
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	3665A	430990
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	3665A	430990
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	3665A	430990
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	3665A	430990
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	3665A	430990
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	3665A	430990
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	3665A	430990
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	3665A	430990
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	3665A	430990
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	3665A	430990
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3665A	430990

GC Semi VOA (Continued)

Cleanup Batch: 431000 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	3665A	430990
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	3665A	430990
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	3665A	430990
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	3665A	430990
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	3665A	430990
MB 180-430990/1-C	Method Blank	Total/NA	Solid	3665A	430990
LCS 180-430990/2-C	Lab Control Sample	Total/NA	Solid	3665A	430990
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3665A	430990
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3665A	430990

Cleanup Batch: 431001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	3660B	431000
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	3660B	431000
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	3660B	431000
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	3660B	431000
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	3660B	431000
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	3660B	431000
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	3660B	431000
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	3660B	431000
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	3660B	431000
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	3660B	431000
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	3660B	431000
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	3660B	431000
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	3660B	431000
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	3660B	431000
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3660B	431000
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	3660B	431000
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	3660B	431000
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	3660B	431000
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	3660B	431000
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	3660B	431000
MB 180-430990/1-C	Method Blank	Total/NA	Solid	3660B	431000
LCS 180-430990/2-C	Lab Control Sample	Total/NA	Solid	3660B	431000
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3660B	431000
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3660B	431000

Cleanup Batch: 431002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	3665A	430992
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	3665A	430992
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	3665A	430992
MB 180-430992/1-C	Method Blank	Total/NA	Solid	3665A	430992
LCS 180-430992/2-C	Lab Control Sample	Total/NA	Solid	3665A	430992
LCSD 180-430992/3-C	Lab Control Sample Dup	Total/NA	Solid	3665A	430992

Cleanup Batch: 431003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	3660B	431002
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	3660B	431002
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	3660B	431002

GC Semi VOA (Continued)

Cleanup Batch: 431003 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-430992/1-C	Method Blank	Total/NA	Solid	3660B	431002
LCS 180-430992/2-C	Lab Control Sample	Total/NA	Solid	3660B	431002
LCSD 180-430992/3-C	Lab Control Sample Dup	Total/NA	Solid	3660B	431002

Analysis Batch: 431205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	EPA 8082A	431001
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	EPA 8082A	431001
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	EPA 8082A	431001
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	EPA 8082A	431001
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	EPA 8082A	431001
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	EPA 8082A	431001
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	EPA 8082A	431001
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	EPA 8082A	431001
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	EPA 8082A	431001
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	EPA 8082A	431001
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	EPA 8082A	431001
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	EPA 8082A	431001
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	EPA 8082A	431001
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	EPA 8082A	431001
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8082A	431001
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	EPA 8082A	431001
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	EPA 8082A	431001
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	EPA 8082A	431001
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	EPA 8082A	431001
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 8082A	431001
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	EPA 8082A	431003
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	EPA 8082A	431003
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	EPA 8082A	431003
MB 180-430990/1-C	Method Blank	Total/NA	Solid	EPA 8082A	431001
MB 180-430992/1-C	Method Blank	Total/NA	Solid	EPA 8082A	431003
LCS 180-430990/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	431001
LCS 180-430992/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	431003
LCSD 180-430992/3-C	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	431003
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8082A	431001
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 8082A	431001

Metals

Prep Batch: 431119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3050B	
MB 180-431119/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431119/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3050B	
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3050B	

Prep Batch: 431235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	3050B	
MB 180-431235/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 431235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-431235/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 431582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	3050B	
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	3050B	
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	3050B	
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	3050B	
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	3050B	
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	3050B	
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	3050B	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	3050B	
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	3050B	
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	3050B	
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	3050B	
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	3050B	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	3050B	
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	3050B	
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	3050B	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	3050B	
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	3050B	
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	3050B	
MB 180-431582/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431582/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 431651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	EPA 6010C	431235
MB 180-431235/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431235
LCS 180-431235/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431235

Prep Batch: 431793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	3050B	
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	3050B	
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	3050B	
MB 180-431793/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431793/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154312-20 MS	SSHS-IRM5A2-DUP290	Total/NA	Solid	3050B	
180-154312-20 MSD	SSHS-IRM5A2-DUP290	Total/NA	Solid	3050B	

Prep Batch: 432413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	7471B	
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	7471B	
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	7471B	
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	7471B	
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	7471B	
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	7471B	
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	7471B	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 432413 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	7471B	
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	7471B	
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	7471B	
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	7471B	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	7471B	
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	7471B	
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	7471B	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	7471B	
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	7471B	
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	7471B	
MB 180-432413/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432413/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 432415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	7471B	
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	7471B	
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	7471B	
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	7471B	
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	7471B	
MB 180-432415/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432415/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	7471B	
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	7471B	

Analysis Batch: 432570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 6010C	431119
MB 180-431119/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431119
LCS 180-431119/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431119
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 6010C	431119
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 6010C	431119

Prep Batch: 432624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3050B	
MB 180-432624/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-432624/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3050B	
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	3050B	

Analysis Batch: 432782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	EPA 7471B	432413
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	EPA 7471B	432413
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	EPA 7471B	432413
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	EPA 7471B	432413
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	EPA 7471B	432413
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	EPA 7471B	432413
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	EPA 7471B	432413
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	EPA 7471B	432413

Metals (Continued)

Analysis Batch: 432782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	EPA 7471B	432413
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	EPA 7471B	432413
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	EPA 7471B	432413
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	EPA 7471B	432413
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	EPA 7471B	432413
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	EPA 7471B	432413
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 7471B	432415
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	EPA 7471B	432413
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	EPA 7471B	432413
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	EPA 7471B	432413
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	EPA 7471B	432413
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 7471B	432415
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	EPA 7471B	432415
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	EPA 7471B	432415
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	EPA 7471B	432415
MB 180-432413/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432413
MB 180-432415/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432415
LCS 180-432413/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432413
LCS 180-432415/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432415
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 7471B	432415
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 7471B	432415

Analysis Batch: 432842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-432624/1-A	Method Blank	Total/NA	Solid	EPA 6010C	432624
LCS 180-432624/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	432624

Analysis Batch: 432977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	EPA 6010C	431582
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	EPA 6010C	431582
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	EPA 6010C	431582
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	EPA 6010C	431582
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	EPA 6010C	431582
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	EPA 6010C	431582
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	EPA 6010C	431582
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	EPA 6010C	431582
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	EPA 6010C	431582
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	EPA 6010C	431582
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	EPA 6010C	431582
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	EPA 6010C	431582
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	EPA 6010C	431582
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	EPA 6010C	431582
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	EPA 6010C	431582
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	EPA 6010C	431582
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	EPA 6010C	431582
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	EPA 6010C	431582
MB 180-431582/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431582
LCS 180-431582/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431582

Metals

Analysis Batch: 433149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 6010C	432624
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 6010C	431793
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	EPA 6010C	431793
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	EPA 6010C	431793
MB 180-431793/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431793
LCS 180-431793/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431793
180-154312-15 MS	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 6010C	432624
180-154312-15 MSD	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	EPA 6010C	432624
180-154312-20 MS	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 6010C	431793
180-154312-20 MSD	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 6010C	431793

Analysis Batch: 433520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 6010C	431793
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	EPA 6010C	431793
MB 180-431793/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431793
LCS 180-431793/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431793
180-154312-20 MS	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 6010C	431793
180-154312-20 MSD	SSHS-IRM5A2-DUP290	Total/NA	Solid	EPA 6010C	431793

General Chemistry

Analysis Batch: 430953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-1	SSHS-IRM5A2-MSA-B21	Total/NA	Solid	2540G	
180-154312-2	SSHS-IRM5A2-MSA-B22	Total/NA	Solid	2540G	
180-154312-3	SSHS-IRM5A2-MSA-B23	Total/NA	Solid	2540G	
180-154312-4	SSHS-IRM5A2-MSA-B24	Total/NA	Solid	2540G	
180-154312-5	SSHS-IRM5A2-MSA-B25	Total/NA	Solid	2540G	
180-154312-6	SSHS-IRM5A2-MSA-B26	Total/NA	Solid	2540G	
180-154312-7	SSHS-IRM5A2-MSA-B27	Total/NA	Solid	2540G	
180-154312-8	SSHS-IRM5A2-MSA-B28	Total/NA	Solid	2540G	
180-154312-9	SSHS-IRM5A2-MSA-B29	Total/NA	Solid	2540G	
180-154312-10	SSHS-IRM5A2-MSA-B30	Total/NA	Solid	2540G	
180-154312-11	SSHS-IRM5A2-DUP289	Total/NA	Solid	2540G	
180-154312-12	SSHS-IRM5A2-MSA-B31	Total/NA	Solid	2540G	
180-154312-13	SSHS-IRM5A2-MSA-B32	Total/NA	Solid	2540G	
180-154312-14	SSHS-IRM5A2-MSA-B33	Total/NA	Solid	2540G	
180-154312-15	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	2540G	
180-154312-16	SSHS-IRM5A2-MSA-B35	Total/NA	Solid	2540G	
180-154312-17	SSHS-IRM5A2-MSA-B36	Total/NA	Solid	2540G	
180-154312-18	SSHS-IRM5A2-MSA-B37	Total/NA	Solid	2540G	
180-154312-19	SSHS-IRM5A2-MSA-B38	Total/NA	Solid	2540G	
180-154312-15 DU	SSHS-IRM5A2-MSA-B34	Total/NA	Solid	2540G	

Analysis Batch: 430991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154312-20	SSHS-IRM5A2-DUP290	Total/NA	Solid	2540G	
180-154312-21	SSHS-IRM5A2-MSA-B39	Total/NA	Solid	2540G	
180-154312-22	SSHS-IRM5A2-MSA-B40	Total/NA	Solid	2540G	
180-154312-23	SSHS-IRM5A2-MSA-B41	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

4/29/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	C Lamas	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B21	3/29/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B22	3/29/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B23	3/29/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B24	3/29/23	1415	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B25	3/29/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B26	3/29/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B27	3/29/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B28	3/29/23	1435	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B29	3/29/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B30	3/29/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP289	3/29/23		G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B31	3/29/23	1450	G	S	N	N	X	X	X	X			6	

180-154312 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3/29/23	Geosyntec	[signature]	3/30/23 10:00	EQ TMS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr Aron Krasnopoler	C Lamas	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B32	3/29/23	1455	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B33	3/29/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B34	3/29/23	1505	G	S	N	Y	X	X	X	X			12	
SSHS-IRM5A2-MSA-B35	3/29/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B36	3/29/23	1515	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B37	3/29/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B38	3/29/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP290	3/29/23		G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B39	3/29/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B40	3/29/23	1535	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B41	3/29/23	1540	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/29/23	Company: Geosyntec	Received by:	Date/Time: 3-30-23 1000	Company: EPI Three
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes, Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

4/29/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-154312 Chain of Custody

Preservation Codes:
- HCL
- NaOH
- Zn Acetate
- Nitric Acid
- NaHSO4
- MeOH
- Amchlor
- Ascorbic Acid
- Ice
- DI Water
- EDTA
- EDA
- Hexane
- None
- AsNaO2
- Na2O4S
- Na2SO3
- Na2S2O3
- H2SO4
- TSP Dodecahydrate
- Acetone
- MCAA
- pH 4-5
- other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B21	3/29/23	1400	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B22	3/29/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B23	3/29/23	1410	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B24	3/29/23	1415	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B25	3/29/23	1420	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B26	3/29/23	1425	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B27	3/29/23	1430	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B28	3/29/23	1435	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B29	3/29/23	1440	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B30	3/29/23	1445	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP289	3/29/23		G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B31	3/29/23	1450	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/29/23	Company: Geosyntec	Received by:	Date/Time: 3/30/23 945	Company: EET SAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B32	3/29/23	1455	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B33	3/29/23	1500	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B34	3/29/23	1505	G	S	N	Y	X	X	X	X										12	
SSHS-IRM5A2-MSA-B35	3/29/23	1510	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B36	3/29/23	1515	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B37	3/29/23	1520	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B38	3/29/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP290	3/29/23		G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B39	3/29/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B40	3/29/23	1535	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B41	3/29/23	1540	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Colin	Date/Time: 3/29/23	Company: Geosyntec	Received by:	Date/Time: 3/30/23 945	Company: EET SAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-154312 Field Sheet

Job: _____

Tracking # : 7716 5677 3760

SO / ~~EO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 410 Corr. Factor: (+ / -) _____ °C

Ice ~ Wet _____ Gel ~ Other _____

Cooler Custody Seal: ~

Cooler ID: ~

Temp Observed: 3.1 °C Corrected: 3.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 3/30/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 3-30-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SD Date: 3-30-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154312-1

Login Number: 154312
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 4/29/2023 11:50:45 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-154375-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Job ID: 180-154375-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154375-1

Receipt
The samples were received on 3/31/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.7º C, 4.7º C, 4.9º C, 5.3º C and 5.4º C.

GC/MS VOA
Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B72 (180-154375-14) had the recoveries of 1,2-Dichloropropane and/or Vinyl chloride below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

Method 8260C: The laboratory control sample (LCS) for batch 180-431516 recovered above the control limits for the following analyte: Dichlorodifluoromethane. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-431668 recovered above the control limits for the following analytes: Dichlorodifluoromethane and/or Methyl acetate. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-432181 recovered above the control limits for the following analyte: Methyl acetate. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431516 was above criteria for the following analytes: Dichlorodifluoromethane, Chloromethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431668 was above criteria for the following analyte: Carbon disulfide, Acetone, Dichlorodifluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431668 was below criteria for the following analyte: 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431744 was below criteria for the following analytes: Carbon disulfide, 2-Hexanone, Cyclohexane, Vinyl chloride, Acetone, Chloroethane, Dichlorodifluoromethane, Chloromethane, 2-Butanone and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-431744 was above criteria for the following analyte: Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432181 was above criteria for the following analytes: Dichlorodifluoromethane and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432181 was below criteria for the following analyte: Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Job ID: 180-154375-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B72 (180-154375-14) had the recoveries of 4,6-Dinitro-2-methylphenol and/or 2,4-Dinitrophenol below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-432034 was above criteria for the following analytes: Di-n-octyl phthalate, 2-Nitroaniline, 4-Nitrophenol, and 2-Fluorophenol (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Sample SSHS-IRM4-S086-4-6 (180-108500-4) had the recoveries of surrogate tetrachloro-m-xylene below the control limits on both columns. The recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: Samples SSHS-IRM5A2-MSA-B72 (180-154375-14) and SSHS-IRM5A2-MSA-B73 (180-154375-15) had all surrogate recoveries above the control limits. As the surrogates were high and there were no target analytes detected in the samples, the results were reported. Based on the recoveries, surrogate spiking solution may have been added twice to the samples.

Method 8082A: The laboratory control sample (LCS 180-431106/2-C) had the recovery of surrogate decachlorobiphenyl above the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of tetrachloro-m-xylene were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following samples were diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-MSA-B61 (180-154375-2) and SSHS-IRM5A2-MSA-B76 (180-154375-18). Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, and thallium were also reported from dilution due to inter-element corrections associated with iron.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B72 (180-154375-14) had several recoveries and the majority of RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits. The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) was greater than 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated RPD values were obtained.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154375-1	SSHS-IRM5A2-MSA-B60	Solid	03/30/23 14:30	03/31/23 09:18
180-154375-2	SSHS-IRM5A2-MSA-B61	Solid	03/30/23 14:35	03/31/23 09:18
180-154375-3	SSHS-IRM5A2-MSA-B62	Solid	03/30/23 14:40	03/31/23 09:18
180-154375-4	SSHS-IRM5A2-MSA-B63	Solid	03/30/23 14:45	03/31/23 09:18
180-154375-5	SSHS-IRM5A2-MSA-B64	Solid	03/30/23 14:50	03/31/23 09:18
180-154375-6	SSHS-IRM5A2-MSA-B65	Solid	03/30/23 14:55	03/31/23 09:18
180-154375-7	SSHS-IRM5A2-MSA-B66	Solid	03/30/23 15:00	03/31/23 09:18
180-154375-8	SSHS-IRM5A2-MSA-B67	Solid	03/30/23 15:05	03/31/23 09:18
180-154375-9	SSHS-IRM5A2-DUP293	Solid	03/30/23 00:00	03/31/23 09:18
180-154375-10	SSHS-IRM5A2-MSA-B68	Solid	03/30/23 15:10	03/31/23 09:18
180-154375-11	SSHS-IRM5A2-MSA-B69	Solid	03/30/23 15:15	03/31/23 09:18
180-154375-12	SSHS-IRM5A2-MSA-B70	Solid	03/30/23 15:20	03/31/23 09:18
180-154375-13	SSHS-IRM5A2-MSA-B71	Solid	03/30/23 15:25	03/31/23 09:18
180-154375-14	SSHS-IRM5A2-MSA-B72	Solid	03/30/23 15:30	03/31/23 09:18
180-154375-15	SSHS-IRM5A2-MSA-B73	Solid	03/30/23 15:35	03/31/23 09:18
180-154375-16	SSHS-IRM5A2-MSA-B74	Solid	03/30/23 15:40	03/31/23 09:18
180-154375-17	SSHS-IRM5A2-MSA-B75	Solid	03/30/23 15:45	03/31/23 09:18
180-154375-18	SSHS-IRM5A2-MSA-B76	Solid	03/30/23 15:50	03/31/23 09:18
180-154375-19	SSHS-IRM5A2-MSA-B77	Solid	03/30/23 15:55	03/31/23 09:18
180-154375-20	SSHS-IRM5A2-DUP294	Solid	03/30/23 00:00	03/31/23 09:18

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B60
Lab Sample ID: 180-154375-1
Date Collected: 03/30/23 14:30
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B60
Lab Sample ID: 180-154375-1
Date Collected: 03/30/23 14:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4986 g	5 mL	432248	04/13/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432181	04/13/23 20:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 11:38	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 19:09	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.84 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:12	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:22	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.3625 g	5 mL	431630	04/06/23 07:38	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 16:59	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 12:01	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 20:38	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.68 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:17	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.68 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		2			432977	04/20/23 12:33	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3
Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3
Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0307 g	5 mL	431630	04/06/23 07:38	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 17:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 12:23	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 20:55	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.92 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:33	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:27	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4
Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4
Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.5689 g	5 mL	431630	04/06/23 07:38	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 17:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 12:45	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 21:13	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:38	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:28	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2305 g	5 mL	431630	04/06/23 15:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 18:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 13:07	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 21:31	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.86 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:43	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6
Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6
Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0064 g	5 mL	431630	04/06/23 15:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431516	04/06/23 19:15	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 13:29	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 21:48	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.56 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:30	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B66
Lab Sample ID: 180-154375-7
Date Collected: 03/30/23 15:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B66
Lab Sample ID: 180-154375-7
Date Collected: 03/30/23 15:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	431630	04/06/23 15:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 15:58	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 13:51	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 22:06	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.88 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:31	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8
Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8
Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2628 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 17:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 14:13	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8
Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 22:24	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.82 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 10:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3045 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 16:55	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 14:35	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 22:42	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.72 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 11:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:33	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3356 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 16:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 14:57	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 22:59	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.79 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 11:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:35	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1305 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 16:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 15:20	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 23:17	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 11:13	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2605 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 15:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 15:42	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 23:35	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.72 g	50 mL	431789	04/10/23 08:08	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 11:18	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:40	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13
Date Collected: 03/30/23 15:25
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431138	04/03/23 12:12	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13
Date Collected: 03/30/23 15:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 14:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 16:04	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 23:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.77 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 18:27	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14
Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14
Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2305 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431744	04/08/23 16:44	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 10:32	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14
Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/04/23 18:52	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	431272	04/04/23 11:46	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432570	04/17/23 21:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.57 g	50 mL	433295	04/25/23 11:30	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 09:27	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:19	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2265 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 14:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 16:26	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/05/23 00:11	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.84 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 18:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16
Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16
Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1625 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 13:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 16:48	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/05/23 00:28	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.52 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 18:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17
Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17
Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 13:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 17:10	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17
Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/05/23 00:46	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.98 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 18:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18
Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18
Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0346 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 18:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 17:32	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/05/23 01:04	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.07 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 19:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			1.07 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		2			433149	04/21/23 14:06	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19
Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19
Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2356 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 18:03	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 17:55	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/05/23 01:21	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.79 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 19:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:46	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431139	04/03/23 12:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3345 g	5 mL	431723	04/07/23 07:08	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	431668	04/07/23 17:41	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	431993	04/11/23 17:11	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432034	04/12/23 18:17	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20

Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	431106	04/03/23 10:42	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	431202	04/04/23 05:20	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	431203	04/04/23 05:21	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	431206	04/05/23 01:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.69 g	50 mL	431898	04/11/23 07:26	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			432977	04/20/23 19:13	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	432760	04/21/23 11:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433207	04/24/23 11:47	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- AAS = Arianna Swick
- HCY = Harrison Yaeger
- JBP = Jack Prothero
- JSM = Joseph Moore
- MTW = Michael Wesoloski
- PJJ = Patrick Journet

Batch Type: Analysis
- ELS = Edwin Shireman
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- RJG = Rob Good
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B60
Lab Sample ID: 180-154375-1
Date Collected: 03/30/23 14:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Benzene	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
2-Butanone (MEK)	ND		4.8	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Chloroform	ND		4.8	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,4-Dioxane	ND		960	34	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
2-Hexanone	ND		4.8	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Methyl acetate	ND	*+	24	7.1	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.8	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Styrene	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Toluene	ND		4.8	1.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2,3-Trichlorobenzene	ND		4.8	2.6	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1

Client Sample ID: SSHS-IRM5A2-MSA-B60
Lab Sample ID: 180-154375-1
Date Collected: 03/30/23 14:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	04/13/23 07:22	04/13/23 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/13/23 07:22*	*04/13/23 20:26*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*04/13/23 07:22*	*04/13/23 20:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*04/13/23 07:22*	*04/13/23 20:26*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/13/23 07:22*	*04/13/23 20:26*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Atrazine	ND		710	150	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Carbazole	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B60
Lab Sample ID: 180-154375-1
Date Collected: 03/30/23 14:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/11/23 17:11*	*04/12/23 11:38*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*04/11/23 17:11*	*04/12/23 11:38*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*04/11/23 17:11*	*04/12/23 11:38*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*04/11/23 17:11*	*04/12/23 11:38*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*04/11/23 17:11*	*04/12/23 11:38*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*04/11/23 17:11*	*04/12/23 11:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1

Client Sample ID: SSHS-IRM5A2-MSA-B60
Lab Sample ID: 180-154375-1
Date Collected: 03/30/23 14:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/03/23 10:42*	*04/04/23 19:09*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/03/23 10:42*	*04/04/23 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*04/03/23 10:42*	*04/04/23 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*04/03/23 10:42*	*04/04/23 19:09*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		13	3.1	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Antimony	ND		0.63	0.19	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Arsenic	**7.8**		0.63	0.39	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Barium	**71**		13	2.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Beryllium	**0.36**		0.25	0.068	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Cadmium	**0.57**		0.31	0.046	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Calcium	**3000**		310	41	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Chromium	**11**		0.31	0.29	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Cobalt	**9.0**		3.1	0.44	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Copper	**16**		1.6	0.95	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Iron	**20000**		6.3	6.1	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Lead	**12**		0.63	0.55	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Magnesium	**2800**		310	34	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Manganese	**410**		0.94	0.17	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Nickel	**20**		2.5	0.32	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Potassium	**550**		310	53	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Selenium	ND		0.63	0.29	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Silver	ND		0.31	0.065	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Sodium	**36**	**J**	310	32	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Thallium	**0.65**	**J**	1.3	0.18	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Vanadium	**13**		3.1	0.50	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1
Zinc	**47**	**B**	1.3	0.91	mg/Kg	☼	04/10/23 08:08	04/20/23 10:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/21/23 11:00	04/24/23 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.2**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**94.8**		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	5.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Benzene	ND		6.5	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		6.5	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Bromomethane	ND		6.5	3.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
2-Butanone (MEK)	ND		6.5	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Carbon disulfide	ND		6.5	5.2	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Carbon tetrachloride	ND		6.5	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Chlorobenzene	ND		6.5	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Chlorobromomethane	ND		6.5	3.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Chlorodibromomethane	ND		6.5	3.2	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Chloroethane	ND		6.5	3.8	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Chloroform	ND		6.5	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Chloromethane	ND		6.5	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
cis-1,2-Dichloroethene	ND		6.5	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
cis-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Cyclohexane	ND		6.5	3.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2-Dibromo-3-Chloropropane	ND		6.5	4.2	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2-Dibromoethane	ND		6.5	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2-Dichlorobenzene	ND		6.5	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,3-Dichlorobenzene	ND		6.5	4.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,4-Dichlorobenzene	ND		6.5	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Dichlorobromomethane	ND		6.5	3.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Dichlorodifluoromethane	ND	*+	6.5	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,1-Dichloroethane	ND		6.5	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2-Dichloroethane	ND		6.5	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,1-Dichloroethene	ND		6.5	3.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2-Dichloroethene, Total	ND		13	5.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2-Dichloropropane	ND		6.5	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,4-Dioxane	ND		1300	46	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Ethylbenzene	ND		6.5	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
2-Hexanone	ND		6.5	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Isopropylbenzene	ND		6.5	3.4	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Methyl acetate	ND		33	9.6	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Methylcyclohexane	ND		6.5	3.2	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Methylene Chloride	ND		6.5	5.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		6.5	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Methyl tert-butyl ether	ND		6.5	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
m-Xylene & p-Xylene	ND		6.5	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
o-Xylene	ND		6.5	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Styrene	ND		6.5	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,1,2,2-Tetrachloroethane	ND		6.5	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Tetrachloroethene	ND		6.5	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Toluene	ND		6.5	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
trans-1,2-Dichloroethene	ND		6.5	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
trans-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2,3-Trichlorobenzene	ND		6.5	3.6	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,2,4-Trichlorobenzene	ND		6.5	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,1,1-Trichloroethane	ND		6.5	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
1,1,2-Trichloroethane	ND		6.5	1.3	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Trichloroethene	ND		6.5	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Trichlorofluoromethane	ND		6.5	5.4	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Vinyl chloride	ND		6.5	4.7	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1
Xylenes, Total	ND		13	9.4	ug/Kg	☼	04/06/23 07:38	04/06/23 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/06/23 07:38*	*04/06/23 16:59*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*04/06/23 07:38*	*04/06/23 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*04/06/23 07:38*	*04/06/23 16:59*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*04/06/23 07:38*	*04/06/23 16:59*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Acenaphthylene	ND		76	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Acetophenone	ND		760	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Anthracene	ND		76	20	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Atrazine	ND		760	170	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Benzaldehyde	ND		760	47	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Caprolactam	ND		1900	250	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Carbazole	ND		76	18	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Chrysene	ND		76	42	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Dibenzofuran	ND		370	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2
Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		760	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Fluoranthene	ND		76	20	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Fluorene	ND		76	15	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Hexachloroethane	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Isophorone	ND		370	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2-Methylphenol	ND		370	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Naphthalene	ND		76	15	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Nitrobenzene	ND		760	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Phenanthrene	ND		76	20	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Phenol	ND		370	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
Pyrene	ND		76	18	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*44 - 105*	*04/11/23 17:11*	*04/12/23 12:01*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*04/11/23 17:11*	*04/12/23 12:01*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*04/11/23 17:11*	*04/12/23 12:01*	*1*
Phenol-d5 (Surr)	*50*		*46 - 105*	*04/11/23 17:11*	*04/12/23 12:01*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*04/11/23 17:11*	*04/12/23 12:01*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*34 - 108*	*04/11/23 17:11*	*04/12/23 12:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1221	ND		19	6.6	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1232	ND		19	4.5	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1242	ND		19	2.7	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1248	ND		19	4.5	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1254	ND		19	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1260	ND		19	5.3	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1262	ND		19	6.6	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1
PCB-1268	ND		19	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 20:38	1

Client Sample ID: SSHS-IRM5A2-MSA-B61
Lab Sample ID: 180-154375-2

Date Collected: 03/30/23 14:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 87.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/03/23 10:42*	*04/04/23 20:38*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/03/23 10:42*	*04/04/23 20:38*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*04/03/23 10:42*	*04/04/23 20:38*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*04/03/23 10:42*	*04/04/23 20:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		17	4.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Antimony	ND		0.84	0.25	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Arsenic	**15**		1.7	1.1	mg/Kg	☼	04/10/23 08:08	04/20/23 12:33	2
Barium	**110**		17	3.0	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Beryllium	**0.64**		0.34	0.092	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Cadmium	**1.0**		0.84	0.12	mg/Kg	☼	04/10/23 08:08	04/20/23 12:33	2
Calcium	**4600**		420	54	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Chromium	**17**		0.42	0.38	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Cobalt	**16**		4.2	0.59	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Copper	**23**		2.1	1.3	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Iron	**39000**		17	16	mg/Kg	☼	04/10/23 08:08	04/20/23 12:33	2
Lead	**23**		1.7	1.5	mg/Kg	☼	04/10/23 08:08	04/20/23 12:33	2
Magnesium	**4200**		420	46	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Manganese	**640**		1.3	0.23	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Nickel	**30**		3.4	0.42	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Potassium	**1200**		420	71	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Selenium	ND		0.84	0.39	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Silver	ND		0.42	0.087	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Sodium	**61**	**J**	420	43	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Thallium	**1.3**	**J**	3.4	0.48	mg/Kg	☼	04/10/23 08:08	04/20/23 12:33	2
Vanadium	**22**		4.2	0.66	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1
Zinc	**71**	**B**	1.7	1.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	04/21/23 11:00	04/24/23 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.4**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**87.6**		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3

Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3
Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Dichlorodifluoromethane	ND	*+	5.3	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:22	1

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3

Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/06/23 07:38*	*04/06/23 17:22*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/06/23 07:38*	*04/06/23 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*04/06/23 07:38*	*04/06/23 17:22*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*04/06/23 07:38*	*04/06/23 17:22*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Atrazine	ND		710	160	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Carbazole	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Dibenz(a,h)anthracene	ND		71	46	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3
Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/11/23 17:11*	*04/12/23 12:23*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*04/11/23 17:11*	*04/12/23 12:23*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*04/11/23 17:11*	*04/12/23 12:23*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*04/11/23 17:11*	*04/12/23 12:23*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*04/11/23 17:11*	*04/12/23 12:23*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*04/11/23 17:11*	*04/12/23 12:23*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1221	ND		17	6.2	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1260	ND		17	5.0	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/03/23 10:42*	*04/04/23 20:55*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/03/23 10:42*	*04/04/23 20:55*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*04/03/23 10:42*	*04/04/23 20:55*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B62
Lab Sample ID: 180-154375-3

Date Collected: 03/30/23 14:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	92		55 - 135	04/03/23 10:42	04/04/23 20:55	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		12	2.9	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Antimony	ND		0.58	0.18	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Arsenic	**5.2**		0.58	0.37	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Barium	**41**		12	2.1	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Beryllium	**0.22**	**J**	0.23	0.064	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Cadmium	**0.31**		0.29	0.043	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Calcium	**2000**		290	38	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Chromium	**6.4**		0.29	0.27	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Cobalt	**5.7**		2.9	0.41	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Copper	**12**		1.5	0.88	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Iron	**12000**		5.8	5.7	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Lead	**9.9**		0.58	0.51	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Magnesium	**1800**		290	32	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Manganese	**320**		0.87	0.16	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Nickel	**12**		2.3	0.29	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Potassium	**380**		290	50	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Selenium	ND		0.58	0.27	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Silver	ND		0.29	0.061	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Sodium	ND		290	30	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Thallium	**0.49**	**J**	1.2	0.17	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Vanadium	**7.1**		2.9	0.46	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1
Zinc	**33**	**B**	1.2	0.85	mg/Kg	☼	04/10/23 08:08	04/20/23 10:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.8**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**93.2**		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4

Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	4.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Benzene	ND		5.7	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
2-Butanone (MEK)	ND		5.7	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4
Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Chloroform	ND		5.7	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Dichlorodifluoromethane	ND	*+	5.7	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2-Dichloroethane	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,4-Dioxane	ND		1100	41	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
2-Hexanone	ND		5.7	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	2.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Styrene	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Toluene	ND		5.7	1.7	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2,3-Trichlorobenzene	ND		5.7	3.2	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Trichlorofluoromethane	ND		5.7	4.8	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1
Xylenes, Total	ND		11	8.3	ug/Kg	☼	04/06/23 07:38	04/06/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*04/06/23 07:38*	*04/06/23 17:45*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*04/06/23 07:38*	*04/06/23 17:45*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4

Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*04/06/23 07:38*	*04/06/23 17:45*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/06/23 07:38*	*04/06/23 17:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Acetophenone	ND		700	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Anthracene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Atrazine	ND		700	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Carbazole	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Chrysene	ND		70	39	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Fluorene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4
Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Naphthalene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
Pyrene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/11/23 17:11*	*04/12/23 12:45*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*04/11/23 17:11*	*04/12/23 12:45*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*04/11/23 17:11*	*04/12/23 12:45*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*04/11/23 17:11*	*04/12/23 12:45*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*04/11/23 17:11*	*04/12/23 12:45*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*04/11/23 17:11*	*04/12/23 12:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/03/23 10:42*	*04/04/23 21:13*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/03/23 10:42*	*04/04/23 21:13*	*1*
Tetrachloro-m-xylene (Surr)	*33*	*S1-*	*55 - 135*	*04/03/23 10:42*	*04/04/23 21:13*	*1*
Tetrachloro-m-xylene (Surr)	*34*	*S1-*	*55 - 135*	*04/03/23 10:42*	*04/04/23 21:13*	*1*

Client Sample ID: SSHS-IRM5A2-MSA-B63
Lab Sample ID: 180-154375-4
Date Collected: 03/30/23 14:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		16	4.0	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Antimony	ND		0.79	0.24	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Arsenic	**5.8**		0.79	0.50	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Barium	**60**		16	2.8	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Beryllium	**0.29**	**J**	0.32	0.087	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Cadmium	**0.51**		0.40	0.058	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Calcium	**5700**		400	51	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Chromium	**9.4**		0.40	0.36	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Cobalt	**7.5**		4.0	0.56	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Copper	**13**		2.0	1.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Iron	**19000**		7.9	7.7	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Lead	**7.3**		0.79	0.69	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Magnesium	**2600**		400	44	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Manganese	**460**		1.2	0.22	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Nickel	**16**		3.2	0.40	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Potassium	**580**		400	68	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Selenium	ND		0.79	0.37	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Silver	ND		0.40	0.083	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Sodium	ND		400	41	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Thallium	**0.63**	**J**	1.6	0.23	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Vanadium	**11**		4.0	0.63	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1
Zinc	**41**	**B**	1.6	1.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.6**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**95.4**		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/06/23 15:44	04/06/23 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/06/23 15:44*	*04/06/23 18:53*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*04/06/23 15:44*	*04/06/23 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*04/06/23 15:44*	*04/06/23 18:53*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*04/06/23 15:44*	*04/06/23 18:53*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Acetophenone	ND		690	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Anthracene	ND		69	18	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Atrazine	ND		690	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Carbazole	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Chrysene	ND		69	38	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Fluorene	ND		69	13	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Isophorone	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5
Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Naphthalene	ND		69	13	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Phenol	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
Pyrene	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/11/23 17:11*	*04/12/23 13:07*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*04/11/23 17:11*	*04/12/23 13:07*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*04/11/23 17:11*	*04/12/23 13:07*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/11/23 17:11*	*04/12/23 13:07*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*04/11/23 17:11*	*04/12/23 13:07*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/11/23 17:11*	*04/12/23 13:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1221	ND		17	6.2	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1232	ND		17	4.3	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1242	ND		17	2.6	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1260	ND		17	5.0	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/04/23 21:31*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/03/23 10:42*	*04/04/23 21:31*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*04/03/23 10:42*	*04/04/23 21:31*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*04/03/23 10:42*	*04/04/23 21:31*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		12	3.0	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Antimony	ND		0.61	0.18	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1

Client Sample ID: SSHS-IRM5A2-MSA-B64
Lab Sample ID: 180-154375-5

Date Collected: 03/30/23 14:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		0.61	0.38	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Barium	53		12	2.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Beryllium	0.28		0.24	0.066	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Cadmium	0.49		0.30	0.045	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Calcium	1600		300	39	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Chromium	9.2		0.30	0.28	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Cobalt	7.3		3.0	0.43	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Copper	17		1.5	0.92	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Iron	18000		6.1	5.9	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Lead	7.7		0.61	0.53	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Magnesium	2400		300	33	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Manganese	280		0.91	0.17	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Nickel	15		2.4	0.31	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Potassium	510		300	52	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Selenium	ND		0.61	0.28	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Silver	ND		0.30	0.063	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Sodium	32	J	300	31	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Thallium	0.47	J	1.2	0.17	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Vanadium	11		3.0	0.48	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1
Zinc	39	B	1.2	0.88	mg/Kg	☼	04/10/23 08:08	04/20/23 10:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.5		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	95.5		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6

Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6
Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Dichlorodifluoromethane	ND	*+	5.2	2.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/06/23 15:44	04/06/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/06/23 15:44*	*04/06/23 19:15*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/06/23 15:44*	*04/06/23 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*04/06/23 15:44*	*04/06/23 19:15*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*04/06/23 15:44*	*04/06/23 19:15*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6
Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Acetophenone	ND		700	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Anthracene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Atrazine	ND		700	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Carbazole	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Chrysene	ND		70	39	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Fluorene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Isophorone	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6
Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Phenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
Pyrene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*04/11/23 17:11*	*04/12/23 13:29*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*04/11/23 17:11*	*04/12/23 13:29*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*04/11/23 17:11*	*04/12/23 13:29*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*04/11/23 17:11*	*04/12/23 13:29*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/11/23 17:11*	*04/12/23 13:29*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/11/23 17:11*	*04/12/23 13:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*04/03/23 10:42*	*04/04/23 21:48*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*04/03/23 10:42*	*04/04/23 21:48*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*04/03/23 10:42*	*04/04/23 21:48*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*04/03/23 10:42*	*04/04/23 21:48*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		19	4.6	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Antimony	ND		0.93	0.28	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Arsenic	**5.9**		0.93	0.58	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1

Client Sample ID: SSHS-IRM5A2-MSA-B65
Lab Sample ID: 180-154375-6

Date Collected: 03/30/23 14:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	50		19	3.3	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Beryllium	0.28	J	0.37	0.10	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Cadmium	0.46	J	0.47	0.068	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Calcium	1700		470	60	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Chromium	8.8		0.47	0.42	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Cobalt	6.3		4.7	0.66	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Copper	10		2.3	1.4	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Iron	18000		9.3	9.1	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Lead	7.2		0.93	0.81	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Magnesium	2400		470	51	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Manganese	250		1.4	0.26	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Nickel	14		3.7	0.47	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Potassium	610		470	79	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Selenium	ND		0.93	0.43	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Silver	ND		0.47	0.097	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Sodium	ND		470	48	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Thallium	0.49	J	1.9	0.26	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Vanadium	11		4.7	0.74	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1
Zinc	40	B	1.9	1.4	mg/Kg	☼	04/10/23 08:08	04/20/23 10:48	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.2		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	95.8		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B66
Lab Sample ID: 180-154375-7

Date Collected: 03/30/23 15:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.2	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Benzene	ND		5.4	1.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
2-Butanone (MEK)	ND		5.4	2.8	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B66
Lab Sample ID: 180-154375-7
Date Collected: 03/30/23 15:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Styrene	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Toluene	ND		5.4	1.6	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	04/06/23 15:44	04/08/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*04/06/23 15:44*	*04/08/23 15:58*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*04/06/23 15:44*	*04/08/23 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*04/06/23 15:44*	*04/08/23 15:58*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/06/23 15:44*	*04/08/23 15:58*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1

Client Sample ID: SSHS-IRM5A2-MSA-B66
Lab Sample ID: 180-154375-7
Date Collected: 03/30/23 15:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		720	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Anthracene	ND		72	19	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Atrazine	ND		720	160	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Benzaldehyde	ND		720	45	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Benzo[g,h,i]perylene	ND		72	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Carbazole	ND		72	17	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Chrysene	ND		72	40	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Dibenzofuran	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Fluorene	ND		72	14	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Isophorone	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2-Methylphenol	ND		360	100	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Naphthalene	ND		72	14	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1

Client Sample ID: SSHS-IRM5A2-MSA-B66
Lab Sample ID: 180-154375-7

Date Collected: 03/30/23 15:00
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Phenol	ND		360	110	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
Pyrene	ND		72	17	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/11/23 17:11*	*04/12/23 13:51*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*04/11/23 17:11*	*04/12/23 13:51*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*04/11/23 17:11*	*04/12/23 13:51*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*04/11/23 17:11*	*04/12/23 13:51*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*04/11/23 17:11*	*04/12/23 13:51*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*04/11/23 17:11*	*04/12/23 13:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1221	ND		18	6.4	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 10:42	04/04/23 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:06*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:06*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:06*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4800**		12	3.1	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Antimony	ND		0.62	0.19	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Arsenic	**1.6**		0.62	0.39	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Barium	**34**		12	2.2	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1

Client Sample ID: SSHS-IRM5A2-MSA-B66

Lab Sample ID: 180-154375-7

Date Collected: 03/30/23 15:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.18	J	0.25	0.068	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Cadmium	0.32		0.31	0.046	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Calcium	830		310	40	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Chromium	5.6		0.31	0.28	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Cobalt	3.8		3.1	0.44	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Copper	37		1.6	0.94	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Iron	13000		6.2	6.0	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Lead	2.3		0.62	0.54	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Magnesium	1600		310	34	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Manganese	130		0.93	0.17	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Nickel	8.4		2.5	0.31	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Potassium	260	J	310	53	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Selenium	ND		0.62	0.29	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Silver	ND		0.31	0.065	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Sodium	ND		310	32	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Thallium	0.39	J	1.2	0.18	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Vanadium	8.5		3.1	0.49	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1
Zinc	24	B	1.2	0.90	mg/Kg	☼	04/10/23 08:08	04/20/23 10:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	04/21/23 11:00	04/24/23 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.4		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	91.6		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B67

Lab Sample ID: 180-154375-8

Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8
Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Dichlorodifluoromethane	ND	*+	5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Methyl acetate	ND	*+	26	7.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/07/23 07:08*	*04/07/23 17:18*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/07/23 07:08*	*04/07/23 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*04/07/23 07:08*	*04/07/23 17:18*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*04/07/23 07:08*	*04/07/23 17:18*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Acetophenone	ND		720	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8
Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		72	18	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Atrazine	ND		720	160	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Carbazole	ND		72	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Chrysene	ND		72	40	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Fluorene	ND		72	14	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Indeno[1,2,3-cd]pyrene	ND		72	35	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Naphthalene	ND		72	14	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8
Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
Pyrene	ND		72	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*44 - 105*	*04/11/23 17:11*	*04/12/23 14:13*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*04/11/23 17:11*	*04/12/23 14:13*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/11/23 17:11*	*04/12/23 14:13*	*1*
Phenol-d5 (Surr)	*49*		*46 - 105*	*04/11/23 17:11*	*04/12/23 14:13*	*1*
Terphenyl-d14 (Surr)	*60*		*39 - 105*	*04/11/23 17:11*	*04/12/23 14:13*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*34 - 108*	*04/11/23 17:11*	*04/12/23 14:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1248	ND		18	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 10:42	04/04/23 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:24*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:24*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:24*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:24*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		13	3.3	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Antimony	ND		0.66	0.20	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Arsenic	**15**		0.66	0.41	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Barium	**93**		13	2.3	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Beryllium	**0.39**		0.26	0.071	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B67
Lab Sample ID: 180-154375-8

Date Collected: 03/30/23 15:05
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.67		0.33	0.048	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Calcium	4600		330	42	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Chromium	11		0.33	0.30	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Cobalt	9.1		3.3	0.46	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Copper	17		1.6	0.99	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Iron	22000		6.6	6.4	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Lead	16		0.66	0.57	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Magnesium	2900		330	36	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Manganese	560		0.98	0.18	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Nickel	20		2.6	0.33	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Potassium	540		330	56	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Selenium	ND		0.66	0.30	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Silver	ND		0.33	0.068	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Sodium	38	J	330	34	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Thallium	0.70	J	1.3	0.19	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Vanadium	13		3.3	0.52	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1
Zinc	56	B	1.3	0.95	mg/Kg	☼	04/10/23 08:08	04/20/23 10:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.0		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	93.0		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9

Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Dichlorodifluoromethane	ND	*+	5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*04/07/23 07:08*	*04/07/23 16:55*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*04/07/23 07:08*	*04/07/23 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*	*04/07/23 07:08*	*04/07/23 16:55*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*04/07/23 07:08*	*04/07/23 16:55*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Acetophenone	ND		700	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Anthracene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		700	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Carbazole	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Chrysene	ND		70	39	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
3,3'-Dichlorobenzidine	ND		340	330	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Fluorene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Isophorone	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Naphthalene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Phenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
Pyrene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*44 - 105*	*04/11/23 17:11*	*04/12/23 14:35*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*04/11/23 17:11*	*04/12/23 14:35*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*04/11/23 17:11*	*04/12/23 14:35*	*1*
Phenol-d5 (Surr)	*53*		*46 - 105*	*04/11/23 17:11*	*04/12/23 14:35*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*04/11/23 17:11*	*04/12/23 14:35*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*34 - 108*	*04/11/23 17:11*	*04/12/23 14:35*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:42*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:42*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:42*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:42*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5300**		15	3.7	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Antimony	ND		0.75	0.23	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Arsenic	**5.9**		0.75	0.47	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Barium	**49**		15	2.7	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Beryllium	**0.26**	**J**	0.30	0.081	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Cadmium	**0.38**		0.37	0.055	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1

Client Sample ID: SSHS-IRM5A2-DUP293
Lab Sample ID: 180-154375-9
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1400		370	48	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Chromium	7.0		0.37	0.34	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Cobalt	6.1		3.7	0.52	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Copper	9.4		1.9	1.1	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Iron	14000		7.5	7.3	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Lead	7.6		0.75	0.65	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Magnesium	1700		370	41	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Manganese	450		1.1	0.21	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Nickel	13		3.0	0.38	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Potassium	300	J	370	63	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Selenium	ND		0.75	0.34	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Silver	ND		0.37	0.077	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Sodium	ND		370	38	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Thallium	0.68	J	1.5	0.21	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Vanadium	8.6		3.7	0.59	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1
Zinc	32	B	1.5	1.1	mg/Kg	☼	04/10/23 08:08	04/20/23 11:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.8		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	93.2		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Dichlorodifluoromethane	ND	*+	4.9	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Methyl acetate	ND	*+	25	7.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/07/23 07:08*	*04/07/23 16:32*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/07/23 07:08*	*04/07/23 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*04/07/23 07:08*	*04/07/23 16:32*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*04/07/23 07:08*	*04/07/23 16:32*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Acetophenone	ND		700	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Anthracene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Atrazine	ND		700	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		700	43	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Carbazole	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Chrysene	ND		70	39	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Fluorene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Naphthalene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10

Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
Pyrene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/11/23 17:11*	*04/12/23 14:57*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*04/11/23 17:11*	*04/12/23 14:57*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*04/11/23 17:11*	*04/12/23 14:57*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/11/23 17:11*	*04/12/23 14:57*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*04/11/23 17:11*	*04/12/23 14:57*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*04/11/23 17:11*	*04/12/23 14:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:59*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/04/23 22:59*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:59*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*04/03/23 10:42*	*04/04/23 22:59*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		13	3.3	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Antimony	ND		0.66	0.20	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Arsenic	**7.3**		0.66	0.42	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Barium	**57**		13	2.4	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Beryllium	**0.35**		0.27	0.072	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Cadmium	**0.61**		0.33	0.049	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Calcium	**6000**		330	43	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B68
Lab Sample ID: 180-154375-10
Date Collected: 03/30/23 15:10
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	10		0.33	0.30	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Cobalt	8.3		3.3	0.47	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Copper	22		1.7	1.0	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Iron	20000		6.6	6.5	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Lead	46		0.66	0.58	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Magnesium	2800		330	36	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Manganese	310		0.99	0.18	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Nickel	18		2.7	0.33	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Potassium	590		330	56	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Selenium	ND		0.66	0.31	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Silver	ND		0.33	0.069	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Sodium	36	J	330	34	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Thallium	0.54	J	1.3	0.19	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Vanadium	13		3.3	0.52	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1
Zinc	100	B	1.3	0.96	mg/Kg	☼	04/10/23 08:08	04/20/23 11:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.5		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	95.5		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Dichlorodifluoromethane	ND	*+	5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Methyl acetate	ND	*+	26	7.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/07/23 07:08	04/07/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/07/23 07:08*	*04/07/23 16:10*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/07/23 07:08*	*04/07/23 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*04/07/23 07:08*	*04/07/23 16:10*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*04/07/23 07:08*	*04/07/23 16:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Atrazine	ND		710	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Carbazole	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11

Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/11/23 17:11*	*04/12/23 15:20*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*04/11/23 17:11*	*04/12/23 15:20*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*04/11/23 17:11*	*04/12/23 15:20*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*04/11/23 17:11*	*04/12/23 15:20*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*04/11/23 17:11*	*04/12/23 15:20*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/11/23 17:11*	*04/12/23 15:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/04/23 23:17*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/03/23 10:42*	*04/04/23 23:17*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*04/03/23 10:42*	*04/04/23 23:17*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*04/03/23 10:42*	*04/04/23 23:17*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		16	4.0	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Antimony	ND		0.81	0.24	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Arsenic	**7.1**		0.81	0.51	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Barium	**50**		16	2.9	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Beryllium	**0.32**		0.32	0.088	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Cadmium	**0.49**		0.40	0.059	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Calcium	**2800**		400	52	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Chromium	**8.7**		0.40	0.37	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1

Client Sample ID: SSHS-IRM5A2-MSA-B69
Lab Sample ID: 180-154375-11
Date Collected: 03/30/23 15:15
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**6.9**		4.0	0.57	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Copper	**15**		2.0	1.2	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Iron	**19000**		8.1	7.9	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Lead	**6.6**		0.81	0.70	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Magnesium	**2600**		400	44	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Manganese	**240**		1.2	0.22	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Nickel	**16**		3.2	0.41	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Potassium	**540**		400	69	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Selenium	ND		0.81	0.37	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Silver	ND		0.40	0.084	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Sodium	ND		400	41	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Thallium	**0.54**	**J**	1.6	0.23	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Vanadium	**9.3**		4.0	0.64	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1
Zinc	**41**	**B**	1.6	1.2	mg/Kg	☼	04/10/23 08:08	04/20/23 11:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	04/21/23 11:00	04/24/23 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.0**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**94.0**		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Methyl acetate	ND	*+	25	7.3	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	04/07/23 07:08	04/07/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*04/07/23 07:08*	*04/07/23 15:47*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*04/07/23 07:08*	*04/07/23 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*04/07/23 07:08*	*04/07/23 15:47*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*04/07/23 07:08*	*04/07/23 15:47*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Acetophenone	ND		680	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Anthracene	ND		68	18	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Atrazine	ND		680	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		68	30	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Carbazole	ND		68	16	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Chrysene	ND		68	38	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Dibenz(a,h)anthracene	ND		68	44	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Fluorene	ND		68	13	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Isophorone	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Naphthalene	ND		68	13	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Phenol	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
Pyrene	ND		68	16	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*04/11/23 17:11*	*04/12/23 15:42*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*04/11/23 17:11*	*04/12/23 15:42*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*04/11/23 17:11*	*04/12/23 15:42*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*04/11/23 17:11*	*04/12/23 15:42*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*04/11/23 17:11*	*04/12/23 15:42*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/11/23 17:11*	*04/12/23 15:42*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/04/23 23:35*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*04/03/23 10:42*	*04/04/23 23:35*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*04/03/23 10:42*	*04/04/23 23:35*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*04/03/23 10:42*	*04/04/23 23:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4300**		14	3.6	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Antimony	ND		0.72	0.22	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Arsenic	**6.6**		0.72	0.45	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Barium	**62**		14	2.6	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Beryllium	**0.18**	**J**	0.29	0.079	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Cadmium	**0.41**		0.36	0.053	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Calcium	**1800**		360	47	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Chromium	**5.6**		0.36	0.33	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Cobalt	**4.7**		3.6	0.51	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1

Client Sample ID: SSHS-IRM5A2-MSA-B70
Lab Sample ID: 180-154375-12
Date Collected: 03/30/23 15:20
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**9.8**		1.8	1.1	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Iron	**14000**		7.2	7.0	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Lead	**5.1**		0.72	0.63	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Magnesium	**1200**		360	40	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Manganese	**950**		1.1	0.20	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Nickel	**10**		2.9	0.36	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Potassium	**310**	**J**	360	62	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Selenium	ND		0.72	0.33	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Silver	ND		0.36	0.075	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Sodium	ND		360	37	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Thallium	**0.90**	**J**	1.4	0.21	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Vanadium	**8.9**		3.6	0.57	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1
Zinc	**28**	**B**	1.4	1.0	mg/Kg	☼	04/10/23 08:08	04/20/23 11:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.0**		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	**96.0**		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13
Date Collected: 03/30/23 15:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13

Date Collected: 03/30/23 15:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Methyl acetate	ND	*+	25	7.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/07/23 07:08*	*04/07/23 14:39*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/07/23 07:08*	*04/07/23 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*04/07/23 07:08*	*04/07/23 14:39*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*04/07/23 07:08*	*04/07/23 14:39*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Acetophenone	ND		700	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Anthracene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Atrazine	ND		700	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13
Date Collected: 03/30/23 15:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Carbazole	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Chrysene	ND		70	39	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Fluorene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Naphthalene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13

Date Collected: 03/30/23 15:25
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
Pyrene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/11/23 17:11*	*04/12/23 16:04*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*04/11/23 17:11*	*04/12/23 16:04*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*04/11/23 17:11*	*04/12/23 16:04*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*04/11/23 17:11*	*04/12/23 16:04*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*04/11/23 17:11*	*04/12/23 16:04*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*04/11/23 17:11*	*04/12/23 16:04*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1221	ND		17	6.2	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1248	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/03/23 10:42*	*04/04/23 23:53*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/03/23 10:42*	*04/04/23 23:53*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*04/03/23 10:42*	*04/04/23 23:53*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*04/03/23 10:42*	*04/04/23 23:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		14	3.4	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Antimony	ND		0.69	0.21	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Arsenic	**8.5**		0.69	0.43	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Barium	**66**		14	2.5	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Beryllium	**0.37**		0.28	0.075	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Cadmium	**0.58**		0.35	0.051	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Calcium	**2700**		350	45	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Chromium	**11**		0.35	0.31	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Cobalt	**8.7**		3.5	0.49	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Copper	**16**		1.7	1.0	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B71
Lab Sample ID: 180-154375-13
Date Collected: 03/30/23 15:25
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	21000		6.9	6.7	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Lead	13		0.69	0.60	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Magnesium	2900		350	38	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Manganese	410		1.0	0.19	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Nickel	19		2.8	0.35	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Potassium	780	B	350	59	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Selenium	ND		0.69	0.32	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Silver	ND		0.35	0.072	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Sodium	41	J	350	35	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Thallium	0.59	J	1.4	0.20	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Vanadium	12		3.5	0.55	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1
Zinc	47		1.4	1.0	mg/Kg	☼	04/11/23 07:26	04/20/23 18:27	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.0		0.1	0.1	%			04/03/23 12:12	1
Percent Solids (SM22 2540G)	94.0		0.1	0.1	%			04/03/23 12:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14
Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14
Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2-Dichloropropane	ND	F1	5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Vinyl chloride	ND	F1	5.1	3.7	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/07/23 07:08	04/08/23 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*04/07/23 07:08*	*04/08/23 16:44*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/07/23 07:08*	*04/08/23 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*	*04/07/23 07:08*	*04/08/23 16:44*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/07/23 07:08*	*04/08/23 16:44*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Atrazine	ND		710	150	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14
Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Carbazole	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4,6-Dinitro-2-methylphenol	ND	F1	1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,4-Dinitrophenol	ND	F1	3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14

Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*44 - 105*	*04/11/23 17:11*	*04/12/23 10:32*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*04/11/23 17:11*	*04/12/23 10:32*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*04/11/23 17:11*	*04/12/23 10:32*	*1*
Phenol-d5 (Surr)	*50*		*46 - 105*	*04/11/23 17:11*	*04/12/23 10:32*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*04/11/23 17:11*	*04/12/23 10:32*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/11/23 17:11*	*04/12/23 10:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/04/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*219*	*S1+*	*63 - 138*	*04/03/23 10:42*	*04/04/23 18:52*	*1*
DCB Decachlorobiphenyl (Surr)	*207*	*S1+*	*63 - 138*	*04/03/23 10:42*	*04/04/23 18:52*	*1*
Tetrachloro-m-xylene (Surr)	*173*	*S1+*	*55 - 135*	*04/03/23 10:42*	*04/04/23 18:52*	*1*
Tetrachloro-m-xylene (Surr)	*176*	*S1+*	*55 - 135*	*04/03/23 10:42*	*04/04/23 18:52*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**	**F2**	18	4.4	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Antimony	ND	F1	0.93	0.28	mg/Kg	☼	04/25/23 11:30	04/26/23 09:27	1
Arsenic	**8.3**	**F2**	0.89	0.56	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Barium	**68**	**F2**	18	3.2	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Beryllium	**0.36**	**F2**	0.35	0.097	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Cadmium	**0.50**	**F2**	0.44	0.065	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Calcium	**7800**	**F2 F1**	440	57	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Chromium	**11**	**F2**	0.44	0.40	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Cobalt	**9.5**	**F2**	4.4	0.62	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Copper	**15**	**F2 F1**	2.2	1.3	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Iron	**22000**	**F2**	8.9	8.6	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B72
Lab Sample ID: 180-154375-14

Date Collected: 03/30/23 15:30
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.4**	**F2**	0.89	0.77	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Magnesium	**3000**	**F2 F1**	440	49	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Manganese	**510**	**F2**	1.3	0.25	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Nickel	**20**	**F2**	3.5	0.45	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Potassium	**720**	**F2**	440	75	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Selenium	ND	F2	0.89	0.41	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Silver	ND	F2	0.44	0.092	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Sodium	**56**	**J F2**	440	45	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Thallium	**0.38**	**J F2**	1.8	0.25	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Vanadium	**12**	**F2**	4.4	0.70	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1
Zinc	**53**	**F1**	1.8	1.3	mg/Kg	☼	04/04/23 11:46	04/17/23 21:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.0**		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	**94.0**		0.1	0.1	%			04/03/23 12:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15

Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/07/23 07:08	04/07/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/07/23 07:08*	*04/07/23 14:16*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/07/23 07:08*	*04/07/23 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*04/07/23 07:08*	*04/07/23 14:16*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/07/23 07:08*	*04/07/23 14:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Acetophenone	ND		700	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Anthracene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Atrazine	ND		700	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Carbazole	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Chrysene	ND		70	39	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Fluorene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Isophorone	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Naphthalene	ND		70	14	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15
Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Phenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
Pyrene	ND		70	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/11/23 17:11*	*04/12/23 16:26*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*04/11/23 17:11*	*04/12/23 16:26*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*04/11/23 17:11*	*04/12/23 16:26*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/11/23 17:11*	*04/12/23 16:26*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*04/11/23 17:11*	*04/12/23 16:26*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/11/23 17:11*	*04/12/23 16:26*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/05/23 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*193*	*S1+*	*63 - 138*	*04/03/23 10:42*	*04/05/23 00:11*	*1*
DCB Decachlorobiphenyl (Surr)	*186*	*S1+*	*63 - 138*	*04/03/23 10:42*	*04/05/23 00:11*	*1*
Tetrachloro-m-xylene (Surr)	*150*	*S1+*	*55 - 135*	*04/03/23 10:42*	*04/05/23 00:11*	*1*
Tetrachloro-m-xylene (Surr)	*155*	*S1+*	*55 - 135*	*04/03/23 10:42*	*04/05/23 00:11*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5000**		12	3.1	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Antimony	**0.23**	**J**	0.62	0.19	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Arsenic	**4.6**		0.62	0.39	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Barium	**47**		12	2.2	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Beryllium	**0.52**		0.25	0.068	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Cadmium	**0.65**		0.31	0.046	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Calcium	**980**		310	40	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Chromium	**6.7**		0.31	0.28	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Cobalt	**6.1**		3.1	0.44	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Copper	**9.5**		1.6	0.94	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Iron	**12000**		6.2	6.1	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Lead	**6.2**		0.62	0.54	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1

Client Sample ID: SSHS-IRM5A2-MSA-B73
Lab Sample ID: 180-154375-15

Date Collected: 03/30/23 15:35
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 95.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1800		310	34	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Manganese	340		0.94	0.17	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Nickel	12		2.5	0.31	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Potassium	270	J B	310	53	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Selenium	0.63		0.62	0.29	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Silver	0.16	J	0.31	0.065	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Sodium	44	J	310	32	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Thallium	1.1	J	1.2	0.18	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Vanadium	7.3		3.1	0.49	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1
Zinc	34		1.2	0.90	mg/Kg	☼	04/11/23 07:26	04/20/23 18:48	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.6		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	95.4		0.1	0.1	%			04/03/23 12:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16

Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16
Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/07/23 07:08*	*04/07/23 13:54*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*04/07/23 07:08*	*04/07/23 13:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*04/07/23 07:08*	*04/07/23 13:54*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/07/23 07:08*	*04/07/23 13:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Acetophenone	ND		690	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Anthracene	ND		69	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Atrazine	ND		690	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16
Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Carbazole	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Chrysene	ND		69	38	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Fluorene	ND		69	13	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Isophorone	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Naphthalene	ND		69	13	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16

Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Phenol	ND		340	100	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
Pyrene	ND		69	16	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/11/23 17:11	04/12/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*04/11/23 17:11*	*04/12/23 16:48*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*04/11/23 17:11*	*04/12/23 16:48*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*04/11/23 17:11*	*04/12/23 16:48*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*04/11/23 17:11*	*04/12/23 16:48*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/11/23 17:11*	*04/12/23 16:48*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*04/11/23 17:11*	*04/12/23 16:48*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/05/23 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*04/03/23 10:42*	*04/05/23 00:28*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/05/23 00:28*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*04/03/23 10:42*	*04/05/23 00:28*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*04/03/23 10:42*	*04/05/23 00:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		20	5.0	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Antimony	ND		1.0	0.30	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Arsenic	**32**		1.0	0.62	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Barium	**53**		20	3.5	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Beryllium	**0.31**	**J**	0.40	0.11	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Cadmium	**0.56**		0.50	0.073	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Calcium	**14000**		500	64	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Chromium	**9.3**		0.50	0.45	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Cobalt	**7.6**		5.0	0.70	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Copper	**13**		2.5	1.5	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Iron	**21000**		10	9.7	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Lead	**11**		1.0	0.87	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Magnesium	**2600**		500	55	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1

Client Sample ID: SSHS-IRM5A2-MSA-B74
Lab Sample ID: 180-154375-16

Date Collected: 03/30/23 15:40
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 96.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**380**		1.5	0.28	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Nickel	**16**		4.0	0.50	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Potassium	**510**	**B**	500	85	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Selenium	ND		1.0	0.46	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Silver	ND		0.50	0.10	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Sodium	**59**	**J**	500	51	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Thallium	**0.65**	**J**	2.0	0.28	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Vanadium	**12**		5.0	0.79	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1
Zinc	**43**		2.0	1.4	mg/Kg	☼	04/11/23 07:26	04/20/23 18:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	04/21/23 11:00	04/24/23 11:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.5**		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	**96.5**		0.1	0.1	%			04/03/23 12:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17

Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Chlorodibromomethane	ND		5.3	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Dichlorodifluoromethane	ND	*+	5.3	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17

Date Collected: 03/30/23 15:45
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Methyl acetate	ND	*+	27	7.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	04/07/23 07:08	04/07/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*04/07/23 07:08*	*04/07/23 13:31*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*04/07/23 07:08*	*04/07/23 13:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*04/07/23 07:08*	*04/07/23 13:31*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*04/07/23 07:08*	*04/07/23 13:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Atrazine	ND		710	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17
Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Carbazole	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17
Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*04/11/23 17:11*	*04/12/23 17:10*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*04/11/23 17:11*	*04/12/23 17:10*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*04/11/23 17:11*	*04/12/23 17:10*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*04/11/23 17:11*	*04/12/23 17:10*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*04/11/23 17:11*	*04/12/23 17:10*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*04/11/23 17:11*	*04/12/23 17:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 10:42	04/05/23 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/03/23 10:42*	*04/05/23 00:46*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*04/03/23 10:42*	*04/05/23 00:46*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*04/03/23 10:42*	*04/05/23 00:46*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*04/03/23 10:42*	*04/05/23 00:46*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		11	2.7	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Antimony	ND		0.55	0.17	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Arsenic	**8.2**		0.55	0.34	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Barium	**64**		11	1.9	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Beryllium	**0.34**		0.22	0.060	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Cadmium	**0.56**		0.27	0.040	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Calcium	**3500**		270	35	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Chromium	**9.5**		0.27	0.25	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Cobalt	**7.8**		2.7	0.38	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Copper	**13**		1.4	0.82	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Iron	**20000**		5.5	5.3	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Lead	**13**		0.55	0.48	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Magnesium	**2600**		270	30	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Manganese	**420**		0.82	0.15	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1

Client Sample ID: SSHS-IRM5A2-MSA-B75
Lab Sample ID: 180-154375-17

Date Collected: 03/30/23 15:45
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**17**		2.2	0.28	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Potassium	**560**	**B**	270	46	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Selenium	ND		0.55	0.25	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Silver	ND		0.27	0.057	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Sodium	**33**	**J**	270	28	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Thallium	**0.49**	**J**	1.1	0.16	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Vanadium	**11**		2.7	0.43	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1
Zinc	**44**		1.1	0.79	mg/Kg	☼	04/11/23 07:26	04/20/23 18:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.5**		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	**93.5**		0.1	0.1	%			04/03/23 12:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18

Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18
Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Methyl acetate	ND	*+	28	8.1	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/07/23 07:08*	*04/07/23 18:26*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*04/07/23 07:08*	*04/07/23 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*04/07/23 07:08*	*04/07/23 18:26*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*04/07/23 07:08*	*04/07/23 18:26*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Acetophenone	ND		740	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Anthracene	ND		74	19	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Atrazine	ND		740	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18
Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Carbazole	ND		74	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Chrysene	ND		74	41	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Fluoranthene	ND		74	19	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Fluorene	ND		74	14	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Isophorone	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Naphthalene	ND		74	14	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18

Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		360	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
Pyrene	ND		74	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*04/11/23 17:11*	*04/12/23 17:32*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*04/11/23 17:11*	*04/12/23 17:32*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*04/11/23 17:11*	*04/12/23 17:32*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*04/11/23 17:11*	*04/12/23 17:32*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*04/11/23 17:11*	*04/12/23 17:32*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*04/11/23 17:11*	*04/12/23 17:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/03/23 10:42	04/05/23 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/03/23 10:42*	*04/05/23 01:04*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/03/23 10:42*	*04/05/23 01:04*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*04/03/23 10:42*	*04/05/23 01:04*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*04/03/23 10:42*	*04/05/23 01:04*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9400**		10	2.6	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Antimony	ND		0.52	0.16	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Arsenic	**12**		1.0	0.65	mg/Kg	☼	04/11/23 07:26	04/21/23 14:06	2
Barium	**77**		10	1.8	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Beryllium	**0.42**		0.21	0.057	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Cadmium	**0.61**		0.52	0.076	mg/Kg	☼	04/11/23 07:26	04/21/23 14:06	2
Calcium	**2900**		260	34	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Chromium	**12**		0.26	0.24	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Cobalt	**11**		2.6	0.37	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Copper	**18**		1.3	0.78	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Iron	**25000**		10	10	mg/Kg	☼	04/11/23 07:26	04/21/23 14:06	2
Lead	**14**		1.0	0.90	mg/Kg	☼	04/11/23 07:26	04/21/23 14:06	2
Magnesium	**3200**		260	29	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Manganese	**530**		0.78	0.14	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Nickel	**23**		2.1	0.26	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B76
Lab Sample ID: 180-154375-18

Date Collected: 03/30/23 15:50
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 90.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**750**	**B**	260	44	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Selenium	ND		0.52	0.24	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Silver	ND		0.26	0.054	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Sodium	**42**	**J**	260	27	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Thallium	**0.51**	**J**	2.1	0.30	mg/Kg	☼	04/11/23 07:26	04/21/23 14:06	2
Vanadium	**13**		2.6	0.41	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1
Zinc	**53**		1.0	0.75	mg/Kg	☼	04/11/23 07:26	04/20/23 19:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.0**		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	**90.0**		0.1	0.1	%			04/03/23 12:27	1

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19

Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Dichlorodifluoromethane	ND	*+	5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19
Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Methyl acetate	ND	*+	25	7.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/07/23 07:08	04/07/23 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*04/07/23 07:08*	*04/07/23 18:03*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/07/23 07:08*	*04/07/23 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*04/07/23 07:08*	*04/07/23 18:03*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/07/23 07:08*	*04/07/23 18:03*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Atrazine	ND		710	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19
Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Carbazole	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Dibenz(a,h)anthracene	ND		71	46	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19

Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/11/23 17:11*	*04/12/23 17:55*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*04/11/23 17:11*	*04/12/23 17:55*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*04/11/23 17:11*	*04/12/23 17:55*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/11/23 17:11*	*04/12/23 17:55*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*04/11/23 17:11*	*04/12/23 17:55*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*04/11/23 17:11*	*04/12/23 17:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/03/23 10:42	04/05/23 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*04/03/23 10:42*	*04/05/23 01:21*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/03/23 10:42*	*04/05/23 01:21*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*04/03/23 10:42*	*04/05/23 01:21*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*04/03/23 10:42*	*04/05/23 01:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		13	3.4	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Antimony	ND		0.67	0.20	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Arsenic	**6.4**		0.67	0.42	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Barium	**57**		13	2.4	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Beryllium	**0.30**		0.27	0.074	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Cadmium	**0.49**		0.34	0.050	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Calcium	**3300**		340	44	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Chromium	**9.7**		0.34	0.31	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Cobalt	**7.5**		3.4	0.48	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Copper	**12**		1.7	1.0	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Iron	**18000**		6.7	6.6	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Lead	**13**		0.67	0.59	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Magnesium	**2500**		340	37	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Manganese	**310**		1.0	0.19	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Nickel	**16**		2.7	0.34	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Potassium	**650**	**B**	340	57	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B77
Lab Sample ID: 180-154375-19

Date Collected: 03/30/23 15:55
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.67	0.31	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Silver	ND		0.34	0.070	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Sodium	**38**	**J**	340	35	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Thallium	**0.55**	**J**	1.3	0.19	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Vanadium	**11**		3.4	0.53	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1
Zinc	**43**		1.3	0.98	mg/Kg	☼	04/11/23 07:26	04/20/23 19:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	04/21/23 11:00	04/24/23 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.2**		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	**93.8**		0.1	0.1	%			04/03/23 12:27	1

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20

Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
2-Butanone (MEK)	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Methyl acetate	ND	*+	25	7.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/07/23 07:08	04/07/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*04/07/23 07:08*	*04/07/23 17:41*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*04/07/23 07:08*	*04/07/23 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*04/07/23 07:08*	*04/07/23 17:41*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*04/07/23 07:08*	*04/07/23 17:41*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Acetophenone	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Anthracene	ND		71	18	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Atrazine	ND		710	150	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Carbazole	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Chrysene	ND		71	39	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Fluoranthene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Fluorene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Isophorone	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Naphthalene	ND		71	14	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Phenol	ND		350	110	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
Pyrene	ND		71	17	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20

Date Collected: 03/30/23 00:00
Matrix: Solid

Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/11/23 17:11	04/12/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/11/23 17:11*	*04/12/23 18:17*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*04/11/23 17:11*	*04/12/23 18:17*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*04/11/23 17:11*	*04/12/23 18:17*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*04/11/23 17:11*	*04/12/23 18:17*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*04/11/23 17:11*	*04/12/23 18:17*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*04/11/23 17:11*	*04/12/23 18:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1221	ND		18	6.2	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1248	ND		18	4.2	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1254	ND		18	5.3	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/03/23 10:42	04/05/23 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/03/23 10:42*	*04/05/23 01:39*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/03/23 10:42*	*04/05/23 01:39*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*04/03/23 10:42*	*04/05/23 01:39*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*04/03/23 10:42*	*04/05/23 01:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		16	3.9	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Antimony	ND		0.78	0.24	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Arsenic	**8.3**		0.78	0.49	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Barium	**79**		16	2.8	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Beryllium	**0.39**		0.31	0.085	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Cadmium	**0.64**		0.39	0.057	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Calcium	**4100**		390	50	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Chromium	**11**		0.39	0.35	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Cobalt	**9.5**		3.9	0.55	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Copper	**18**		1.9	1.2	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Iron	**23000**		7.8	7.6	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Lead	**10**		0.78	0.68	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Magnesium	**3100**		390	43	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Manganese	**440**		1.2	0.22	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Nickel	**21**		3.1	0.39	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Potassium	**700**	**B**	390	66	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Selenium	ND		0.78	0.36	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-154375-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP294
Lab Sample ID: 180-154375-20
Date Collected: 03/30/23 00:00
Matrix: Solid
Date Received: 03/31/23 09:18
Percent Solids: 93.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.39	0.081	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Sodium	ND		390	40	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Thallium	**0.68**	**J**	1.6	0.22	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Vanadium	**13**		3.9	0.61	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1
Zinc	**51**		1.6	1.1	mg/Kg	☼	04/11/23 07:26	04/20/23 19:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	04/21/23 11:00	04/24/23 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.6**		0.1	0.1	%			04/03/23 12:27	1
Percent Solids (SM22 2540G)	**93.4**		0.1	0.1	%			04/03/23 12:27	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-431516/9
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/06/23 11:39	1
Benzene	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
Bromoform	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/06/23 11:39	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/06/23 11:39	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/06/23 11:39	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/06/23 11:39	1
Chloroform	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/06/23 11:39	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/06/23 11:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/06/23 11:39	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/06/23 11:39	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/06/23 11:39	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/06/23 11:39	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/06/23 11:39	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/06/23 11:39	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/06/23 11:39	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/06/23 11:39	1
Methyl acetate	ND		25	7.4	ug/Kg			04/06/23 11:39	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/06/23 11:39	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/06/23 11:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Styrene	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/06/23 11:39	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Toluene	ND		5.0	1.4	ug/Kg			04/06/23 11:39	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/06/23 11:39	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/06/23 11:39	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/06/23 11:39	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/06/23 11:39	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/06/23 11:39	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431516/9
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/06/23 11:39	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/06/23 11:39	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/06/23 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/06/23 11:39	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/06/23 11:39	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/06/23 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*04/06/23 11:39*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*		*04/06/23 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*		*04/06/23 11:39*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*		*04/06/23 11:39*	*1*

Lab Sample ID: LCS 180-431516/6
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	48.5		ug/Kg		121	23 - 170
Benzene	40.0	41.6		ug/Kg		104	77 - 120
Bromoform	40.0	40.0		ug/Kg		100	37 - 147
Bromomethane	40.0	42.6		ug/Kg		106	47 - 149
2-Butanone (MEK)	40.0	44.2		ug/Kg		111	39 - 157
Carbon disulfide	40.0	50.1		ug/Kg		125	40 - 156
Carbon tetrachloride	40.0	42.4		ug/Kg		106	73 - 130
Chlorobenzene	40.0	36.4		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	45.2		ug/Kg		113	64 - 128
Chlorodibromomethane	40.0	40.1		ug/Kg		100	60 - 134
Chloroethane	40.0	45.2		ug/Kg		113	37 - 159
Chloroform	40.0	40.6		ug/Kg		102	73 - 126
Chloromethane	40.0	49.5		ug/Kg		124	46 - 151
cis-1,2-Dichloroethene	40.0	43.1		ug/Kg		108	77 - 118
cis-1,3-Dichloropropene	40.0	45.2		ug/Kg		113	73 - 127
Cyclohexane	40.0	42.9		ug/Kg		107	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.9		ug/Kg		105	30 - 163
1,2-Dibromoethane	40.0	40.8		ug/Kg		102	59 - 137
1,2-Dichlorobenzene	40.0	36.4		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	79 - 120
Dichlorobromomethane	40.0	41.3		ug/Kg		103	75 - 123
Dichlorodifluoromethane	40.0	75.1	*+	ug/Kg		188	26 - 149
1,1-Dichloroethane	40.0	42.2		ug/Kg		106	73 - 124
1,2-Dichloroethane	40.0	47.5		ug/Kg		119	64 - 140
1,1-Dichloroethene	40.0	46.3		ug/Kg		116	55 - 136
1,2-Dichloroethene, Total	80.0	86.2		ug/Kg		108	77 - 119
1,2-Dichloropropane	40.0	40.3		ug/Kg		101	77 - 119
1,4-Dioxane	800	914	J	ug/Kg		114	18 - 166
Ethylbenzene	40.0	35.6		ug/Kg		89	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431516/6
Matrix: Solid
Analysis Batch: 431516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	41.3		ug/Kg		103	42 - 152
Isopropylbenzene	40.0	35.6		ug/Kg		89	70 - 125
Methyl acetate	80.0	135		ug/Kg		169	20 - 170
Methylcyclohexane	40.0	42.5		ug/Kg		106	70 - 125
Methylene Chloride	40.0	44.8		ug/Kg		112	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.9		ug/Kg		102	51 - 147
Methyl tert-butyl ether	40.0	47.4		ug/Kg		119	58 - 132
m-Xylene & p-Xylene	40.0	38.0		ug/Kg		95	77 - 120
o-Xylene	40.0	36.9		ug/Kg		92	78 - 118
Styrene	40.0	37.5		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	46.1		ug/Kg		115	36 - 170
Tetrachloroethene	40.0	37.7		ug/Kg		94	71 - 121
Toluene	40.0	36.8		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	43.2		ug/Kg		108	75 - 122
trans-1,3-Dichloropropene	40.0	40.9		ug/Kg		102	68 - 133
1,2,3-Trichlorobenzene	40.0	40.7		ug/Kg		102	29 - 166
1,2,4-Trichlorobenzene	40.0	39.2		ug/Kg		98	22 - 170
1,1,1-Trichloroethane	40.0	41.7		ug/Kg		104	72 - 134
1,1,2-Trichloroethane	40.0	39.4		ug/Kg		99	66 - 128
Trichloroethene	40.0	41.7		ug/Kg		104	69 - 118
Trichlorofluoromethane	40.0	44.5		ug/Kg		111	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	46.5		ug/Kg		116	59 - 135
Vinyl chloride	40.0	45.3		ug/Kg		113	64 - 134
Xylenes, Total	80.0	74.9		ug/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Lab Sample ID: MB 180-431668/7
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/07/23 11:37	1
Benzene	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
Bromoform	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/07/23 11:37	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/07/23 11:37	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/07/23 11:37	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/07/23 11:37	1
Chloroform	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431668/7
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/07/23 11:37	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/07/23 11:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/07/23 11:37	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/07/23 11:37	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/07/23 11:37	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/07/23 11:37	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/07/23 11:37	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/07/23 11:37	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/07/23 11:37	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/07/23 11:37	1
Methyl acetate	ND		25	7.4	ug/Kg			04/07/23 11:37	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/07/23 11:37	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/07/23 11:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/07/23 11:37	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/07/23 11:37	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Styrene	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/07/23 11:37	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Toluene	ND		5.0	1.4	ug/Kg			04/07/23 11:37	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/07/23 11:37	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/07/23 11:37	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/07/23 11:37	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/07/23 11:37	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/07/23 11:37	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/07/23 11:37	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/07/23 11:37	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/07/23 11:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/07/23 11:37	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/07/23 11:37	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/07/23 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*		*04/07/23 11:37*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*04/07/23 11:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*		*04/07/23 11:37*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*04/07/23 11:37*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431668/3
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	52.1		ug/Kg		130	23 - 170
Benzene	40.0	41.9		ug/Kg		105	77 - 120
Bromoform	40.0	38.7		ug/Kg		97	37 - 147
Bromomethane	40.0	40.4		ug/Kg		101	47 - 149
2-Butanone (MEK)	40.0	44.5		ug/Kg		111	39 - 157
Carbon disulfide	40.0	53.1		ug/Kg		133	40 - 156
Carbon tetrachloride	40.0	42.5		ug/Kg		106	73 - 130
Chlorobenzene	40.0	36.2		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	43.2		ug/Kg		108	64 - 128
Chlorodibromomethane	40.0	38.5		ug/Kg		96	60 - 134
Chloroethane	40.0	41.6		ug/Kg		104	37 - 159
Chloroform	40.0	40.2		ug/Kg		101	73 - 126
Chloromethane	40.0	42.1		ug/Kg		105	46 - 151
cis-1,2-Dichloroethene	40.0	42.1		ug/Kg		105	77 - 118
cis-1,3-Dichloropropene	40.0	42.7		ug/Kg		107	73 - 127
Cyclohexane	40.0	42.5		ug/Kg		106	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	39.6		ug/Kg		99	30 - 163
1,2-Dibromoethane	40.0	39.9		ug/Kg		100	59 - 137
1,2-Dichlorobenzene	40.0	33.9		ug/Kg		85	76 - 120
1,3-Dichlorobenzene	40.0	35.0		ug/Kg		88	77 - 121
1,4-Dichlorobenzene	40.0	35.1		ug/Kg		88	79 - 120
Dichlorobromomethane	40.0	39.4		ug/Kg		98	75 - 123
Dichlorodifluoromethane	40.0	76.5	*+	ug/Kg		191	26 - 149
1,1-Dichloroethane	40.0	41.0		ug/Kg		103	73 - 124
1,2-Dichloroethane	40.0	46.4		ug/Kg		116	64 - 140
1,1-Dichloroethene	40.0	49.1		ug/Kg		123	55 - 136
1,2-Dichloroethene, Total	80.0	87.4		ug/Kg		109	77 - 119
1,2-Dichloropropane	40.0	38.8		ug/Kg		97	77 - 119
1,4-Dioxane	800	924	J	ug/Kg		116	18 - 166
Ethylbenzene	40.0	36.2		ug/Kg		90	79 - 119
2-Hexanone	40.0	39.0		ug/Kg		97	42 - 152
Isopropylbenzene	40.0	35.4		ug/Kg		89	70 - 125
Methyl acetate	80.0	142	*+	ug/Kg		177	20 - 170
Methylcyclohexane	40.0	42.4		ug/Kg		106	70 - 125
Methylene Chloride	40.0	43.9		ug/Kg		110	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	39.2		ug/Kg		98	51 - 147
Methyl tert-butyl ether	40.0	43.9		ug/Kg		110	58 - 132
m-Xylene & p-Xylene	40.0	37.4		ug/Kg		94	77 - 120
o-Xylene	40.0	34.9		ug/Kg		87	78 - 118
Styrene	40.0	36.3		ug/Kg		91	80 - 120
1,1,2,2-Tetrachloroethane	40.0	42.4		ug/Kg		106	36 - 170
Tetrachloroethene	40.0	39.0		ug/Kg		97	71 - 121
Toluene	40.0	36.2		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	45.3		ug/Kg		113	75 - 122
trans-1,3-Dichloropropene	40.0	38.1		ug/Kg		95	68 - 133
1,2,3-Trichlorobenzene	40.0	37.4		ug/Kg		93	29 - 166
1,2,4-Trichlorobenzene	40.0	36.1		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	41.9		ug/Kg		105	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431668/3
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,2-Trichloroethane			40.0	37.3		ug/Kg		93	66 - 128		
Trichloroethene			40.0	42.6		ug/Kg		106	69 - 118		
Trichlorofluoromethane			40.0	42.6		ug/Kg		106	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	47.9		ug/Kg		120	59 - 135		
Vinyl chloride			40.0	43.6		ug/Kg		109	64 - 134		
Xylenes, Total			80.0	72.3		ug/Kg		90	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: LCSD 180-431668/4
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	55.7		ug/Kg		139	23 - 170	7	35
Benzene			40.0	44.6		ug/Kg		111	77 - 120	6	20
Bromoform			40.0	40.7		ug/Kg		102	37 - 147	5	23
Bromomethane			40.0	43.0		ug/Kg		108	47 - 149	6	25
2-Butanone (MEK)			40.0	44.4		ug/Kg		111	39 - 157	0	33
Carbon disulfide			40.0	58.6		ug/Kg		147	40 - 156	10	25
Carbon tetrachloride			40.0	46.1		ug/Kg		115	73 - 130	8	21
Chlorobenzene			40.0	38.2		ug/Kg		95	79 - 122	5	20
Chlorobromomethane			40.0	45.3		ug/Kg		113	64 - 128	5	20
Chlorodibromomethane			40.0	39.9		ug/Kg		100	60 - 134	4	40
Chloroethane			40.0	45.3		ug/Kg		113	37 - 159	9	25
Chloroform			40.0	42.6		ug/Kg		106	73 - 126	6	20
Chloromethane			40.0	46.5		ug/Kg		116	46 - 151	10	33
cis-1,2-Dichloroethene			40.0	45.2		ug/Kg		113	77 - 118	7	20
cis-1,3-Dichloropropene			40.0	45.2		ug/Kg		113	73 - 127	6	20
Cyclohexane			40.0	46.0		ug/Kg		115	63 - 143	8	25
1,2-Dibromo-3-Chloropropane			40.0	37.6		ug/Kg		94	30 - 163	5	34
1,2-Dibromoethane			40.0	40.1		ug/Kg		100	59 - 137	0	20
1,2-Dichlorobenzene			40.0	35.7		ug/Kg		89	76 - 120	5	20
1,3-Dichlorobenzene			40.0	37.0		ug/Kg		92	77 - 121	5	20
1,4-Dichlorobenzene			40.0	37.2		ug/Kg		93	79 - 120	6	20
Dichlorobromomethane			40.0	41.7		ug/Kg		104	75 - 123	6	20
Dichlorodifluoromethane			40.0	79.2	*+	ug/Kg		198	26 - 149	4	24
1,1-Dichloroethane			40.0	43.5		ug/Kg		109	73 - 124	6	20
1,2-Dichloroethane			40.0	47.0		ug/Kg		117	64 - 140	1	20
1,1-Dichloroethene			40.0	52.7		ug/Kg		132	55 - 136	7	21
1,2-Dichloroethene, Total			80.0	92.8		ug/Kg		116	77 - 119	6	20
1,2-Dichloropropane			40.0	40.4		ug/Kg		101	77 - 119	4	20
1,4-Dioxane			800	863	J	ug/Kg		108	18 - 166	7	40
Ethylbenzene			40.0	38.8		ug/Kg		97	79 - 119	7	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-431668/4
Matrix: Solid
Analysis Batch: 431668

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			40.0	42.3		ug/Kg		106	42 - 152	8	30
Isopropylbenzene			40.0	38.7		ug/Kg		97	70 - 125	9	21
Methyl acetate			80.0	132		ug/Kg		165	20 - 170	7	33
Methylcyclohexane			40.0	46.0		ug/Kg		115	70 - 125	8	22
Methylene Chloride			40.0	47.2		ug/Kg		118	67 - 131	7	32
4-Methyl-2-pentanone (MIBK)			40.0	39.4		ug/Kg		99	51 - 147	1	27
Methyl tert-butyl ether			40.0	44.4		ug/Kg		111	58 - 132	1	24
m-Xylene & p-Xylene			40.0	40.7		ug/Kg		102	77 - 120	8	20
o-Xylene			40.0	38.3		ug/Kg		96	78 - 118	9	20
Styrene			40.0	38.8		ug/Kg		97	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	43.3		ug/Kg		108	36 - 170	2	23
Tetrachloroethene			40.0	41.6		ug/Kg		104	71 - 121	7	21
Toluene			40.0	39.1		ug/Kg		98	76 - 120	8	20
trans-1,2-Dichloroethene			40.0	47.6		ug/Kg		119	75 - 122	5	20
trans-1,3-Dichloropropene			40.0	39.8		ug/Kg		99	68 - 133	4	20
1,2,3-Trichlorobenzene			40.0	38.9		ug/Kg		97	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	38.5		ug/Kg		96	22 - 170	7	29
1,1,1-Trichloroethane			40.0	45.0		ug/Kg		112	72 - 134	7	20
1,1,2-Trichloroethane			40.0	39.4		ug/Kg		98	66 - 128	5	21
Trichloroethene			40.0	45.3		ug/Kg		113	69 - 118	6	20
Trichlorofluoromethane			40.0	46.6		ug/Kg		117	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	51.1		ug/Kg		128	59 - 135	6	28
Vinyl chloride			40.0	53.0		ug/Kg		132	64 - 134	19	23
Xylenes, Total			80.0	79.0		ug/Kg		99	78 - 118	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: 180-154375-14 MS
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		41.2	45.5		ug/Kg	☼	110	23 - 170
Benzene	ND		41.2	33.3		ug/Kg	☼	81	77 - 120
Bromoform	ND		41.2	40.4		ug/Kg	☼	98	37 - 147
Bromomethane	ND		41.2	32.7		ug/Kg	☼	79	47 - 149
2-Butanone (MEK)	ND		41.2	38.1		ug/Kg	☼	93	39 - 157
Carbon disulfide	ND		41.2	26.8		ug/Kg	☼	65	40 - 156
Carbon tetrachloride	ND		41.2	35.9		ug/Kg	☼	87	73 - 130
Chlorobenzene	ND		41.2	35.1		ug/Kg	☼	85	79 - 122
Chlorobromomethane	ND		41.2	36.6		ug/Kg	☼	89	64 - 128
Chlorodibromomethane	ND		41.2	39.5		ug/Kg	☼	96	60 - 134
Chloroethane	ND		41.2	36.4		ug/Kg	☼	88	37 - 159
Chloroform	ND		41.2	35.0		ug/Kg	☼	85	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154375-14 MS
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		41.2	18.9		ug/Kg	☼	46	46 - 151
cis-1,2-Dichloroethene	ND		41.2	33.8		ug/Kg	☼	82	77 - 118
cis-1,3-Dichloropropene	ND		41.2	38.6		ug/Kg	☼	94	73 - 127
Cyclohexane	ND		41.2	32.0		ug/Kg	☼	78	63 - 143
1,2-Dibromo-3-Chloropropane	ND		41.2	43.4		ug/Kg	☼	105	30 - 163
1,2-Dibromoethane	ND		41.2	37.6		ug/Kg	☼	91	59 - 137
1,2-Dichlorobenzene	ND		41.2	36.1		ug/Kg	☼	88	76 - 120
1,3-Dichlorobenzene	ND		41.2	36.7		ug/Kg	☼	89	77 - 121
1,4-Dichlorobenzene	ND		41.2	37.3		ug/Kg	☼	90	79 - 120
Dichlorobromomethane	ND		41.2	36.8		ug/Kg	☼	89	75 - 123
Dichlorodifluoromethane	ND		41.2	16.2		ug/Kg	☼	39	26 - 149
1,1-Dichloroethane	ND		41.2	31.8		ug/Kg	☼	77	73 - 124
1,2-Dichloroethane	ND		41.2	40.1		ug/Kg	☼	97	64 - 140
1,1-Dichloroethene	ND		41.2	32.1		ug/Kg	☼	78	55 - 136
1,2-Dichloroethene, Total	ND		82.4	66.0		ug/Kg	☼	80	77 - 119
1,2-Dichloropropane	ND	F1	41.2	34.0		ug/Kg	☼	82	77 - 119
1,4-Dioxane	ND		824	878	J	ug/Kg	☼	106	18 - 166
Ethylbenzene	ND		41.2	34.5		ug/Kg	☼	84	79 - 119
2-Hexanone	ND		41.2	43.5		ug/Kg	☼	106	42 - 152
Isopropylbenzene	ND		41.2	35.0		ug/Kg	☼	85	70 - 125
Methyl acetate	ND		82.4	127		ug/Kg	☼	154	20 - 170
Methylcyclohexane	ND		41.2	34.8		ug/Kg	☼	84	70 - 125
Methylene Chloride	ND		41.2	30.0		ug/Kg	☼	73	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		41.2	42.2		ug/Kg	☼	102	51 - 147
Methyl tert-butyl ether	ND		41.2	36.1		ug/Kg	☼	88	58 - 132
m-Xylene & p-Xylene	ND		41.2	35.8		ug/Kg	☼	87	77 - 120
o-Xylene	ND		41.2	34.0		ug/Kg	☼	83	78 - 118
Styrene	ND		41.2	35.1		ug/Kg	☼	85	80 - 120
1,1,2,2-Tetrachloroethane	ND		41.2	42.4		ug/Kg	☼	103	36 - 170
Tetrachloroethene	ND		41.2	39.0		ug/Kg	☼	95	71 - 121
Toluene	ND		41.2	35.0		ug/Kg	☼	85	76 - 120
trans-1,2-Dichloroethene	ND		41.2	32.3		ug/Kg	☼	78	75 - 122
trans-1,3-Dichloropropene	ND		41.2	39.7		ug/Kg	☼	96	68 - 133
1,2,3-Trichlorobenzene	ND		41.2	41.1		ug/Kg	☼	100	29 - 166
1,2,4-Trichlorobenzene	ND		41.2	41.2		ug/Kg	☼	100	22 - 170
1,1,1-Trichloroethane	ND		41.2	36.8		ug/Kg	☼	89	72 - 134
1,1,2-Trichloroethane	ND		41.2	40.3		ug/Kg	☼	98	66 - 128
Trichloroethene	ND		41.2	37.3		ug/Kg	☼	91	69 - 118
Trichlorofluoromethane	ND		41.2	39.5		ug/Kg	☼	96	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.2	32.8		ug/Kg	☼	80	59 - 135
Vinyl chloride	ND	F1	41.2	23.8	F1	ug/Kg	☼	58	64 - 134
Xylenes, Total	ND		82.4	69.8		ug/Kg	☼	85	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154375-14 MS
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431723

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	102		67 - 134

Lab Sample ID: 180-154375-14 MSD
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		40.1	36.6		ug/Kg	☼	91	23 - 170	22	35
Benzene	ND		40.1	32.0		ug/Kg	☼	80	77 - 120	4	20
Bromoform	ND		40.1	39.1		ug/Kg	☼	98	37 - 147	3	23
Bromomethane	ND		40.1	31.8		ug/Kg	☼	79	47 - 149	3	25
2-Butanone (MEK)	ND		40.1	29.8		ug/Kg	☼	74	39 - 157	24	33
Carbon disulfide	ND		40.1	28.0		ug/Kg	☼	70	40 - 156	4	25
Carbon tetrachloride	ND		40.1	34.3		ug/Kg	☼	86	73 - 130	4	21
Chlorobenzene	ND		40.1	35.7		ug/Kg	☼	89	79 - 122	2	20
Chlorobromomethane	ND		40.1	32.9		ug/Kg	☼	82	64 - 128	11	20
Chlorodibromomethane	ND		40.1	38.7		ug/Kg	☼	97	60 - 134	2	40
Chloroethane	ND		40.1	35.6		ug/Kg	☼	89	37 - 159	2	25
Chloroform	ND		40.1	32.8		ug/Kg	☼	82	73 - 126	6	20
Chloromethane	ND		40.1	18.8		ug/Kg	☼	47	46 - 151	0	33
cis-1,2-Dichloroethene	ND		40.1	31.8		ug/Kg	☼	79	77 - 118	6	20
cis-1,3-Dichloropropene	ND		40.1	32.2		ug/Kg	☼	80	73 - 127	18	20
Cyclohexane	ND		40.1	30.2		ug/Kg	☼	75	63 - 143	6	25
1,2-Dibromo-3-Chloropropane	ND		40.1	38.4		ug/Kg	☼	96	30 - 163	12	34
1,2-Dibromoethane	ND		40.1	38.4		ug/Kg	☼	96	59 - 137	2	20
1,2-Dichlorobenzene	ND		40.1	33.1		ug/Kg	☼	83	76 - 120	9	20
1,3-Dichlorobenzene	ND		40.1	35.7		ug/Kg	☼	89	77 - 121	3	20
1,4-Dichlorobenzene	ND		40.1	35.5		ug/Kg	☼	88	79 - 120	5	20
Dichlorobromomethane	ND		40.1	32.8		ug/Kg	☼	82	75 - 123	11	20
Dichlorodifluoromethane	ND		40.1	15.4		ug/Kg	☼	38	26 - 149	5	24
1,1-Dichloroethane	ND		40.1	30.6		ug/Kg	☼	76	73 - 124	4	20
1,2-Dichloroethane	ND		40.1	35.3		ug/Kg	☼	88	64 - 140	13	20
1,1-Dichloroethene	ND		40.1	29.1		ug/Kg	☼	73	55 - 136	10	21
1,2-Dichloroethene, Total	ND		80.2	64.4		ug/Kg	☼	80	77 - 119	3	20
1,2-Dichloropropane	ND	F1	40.1	29.9	F1	ug/Kg	☼	75	77 - 119	13	20
1,4-Dioxane	ND		802	672	J	ug/Kg	☼	84	18 - 166	27	40
Ethylbenzene	ND		40.1	37.2		ug/Kg	☼	93	79 - 119	8	20
2-Hexanone	ND		40.1	38.5		ug/Kg	☼	96	42 - 152	12	30
Isopropylbenzene	ND		40.1	38.8		ug/Kg	☼	97	70 - 125	10	21
Methyl acetate	ND		80.2	109		ug/Kg	☼	135	20 - 170	16	33
Methylcyclohexane	ND		40.1	32.0		ug/Kg	☼	80	70 - 125	9	22
Methylene Chloride	ND		40.1	30.5		ug/Kg	☼	76	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)	ND		40.1	38.7		ug/Kg	☼	97	51 - 147	8	27
Methyl tert-butyl ether	ND		40.1	31.4		ug/Kg	☼	78	58 - 132	14	24
m-Xylene & p-Xylene	ND		40.1	38.8		ug/Kg	☼	97	77 - 120	8	20
o-Xylene	ND		40.1	36.9		ug/Kg	☼	92	78 - 118	8	20
Styrene	ND		40.1	37.3		ug/Kg	☼	93	80 - 120	6	20
1,1,2,2-Tetrachloroethane	ND		40.1	43.4		ug/Kg	☼	108	36 - 170	2	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-154375-14 MSD
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	ND		40.1	39.1		ug/Kg	☼	98	71 - 121	0	21
Toluene	ND		40.1	36.1		ug/Kg	☼	90	76 - 120	3	20
trans-1,2-Dichloroethene	ND		40.1	32.5		ug/Kg	☼	81	75 - 122	1	20
trans-1,3-Dichloropropene	ND		40.1	36.7		ug/Kg	☼	92	68 - 133	8	20
1,2,3-Trichlorobenzene	ND		40.1	37.4		ug/Kg	☼	93	29 - 166	9	40
1,2,4-Trichlorobenzene	ND		40.1	37.8		ug/Kg	☼	94	22 - 170	8	29
1,1,1-Trichloroethane	ND		40.1	34.1		ug/Kg	☼	85	72 - 134	7	20
1,1,2-Trichloroethane	ND		40.1	38.3		ug/Kg	☼	96	66 - 128	5	21
Trichloroethene	ND		40.1	34.5		ug/Kg	☼	86	69 - 118	8	20
Trichlorofluoromethane	ND		40.1	39.2		ug/Kg	☼	98	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.1	30.5		ug/Kg	☼	76	59 - 135	7	28
Vinyl chloride	ND	F1	40.1	24.2	F1	ug/Kg	☼	60	64 - 134	1	23
Xylenes, Total	ND		80.2	75.7		ug/Kg	☼	94	78 - 118	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: MB 180-431744/7
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/08/23 15:36	1
Benzene	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
Bromoform	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/08/23 15:36	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/08/23 15:36	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/08/23 15:36	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/08/23 15:36	1
Chloroform	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/08/23 15:36	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/08/23 15:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/08/23 15:36	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/08/23 15:36	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/08/23 15:36	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-431744/7
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/08/23 15:36	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/08/23 15:36	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/08/23 15:36	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/08/23 15:36	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/08/23 15:36	1
Methyl acetate	ND		25	7.4	ug/Kg			04/08/23 15:36	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/08/23 15:36	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/08/23 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/08/23 15:36	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/08/23 15:36	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Styrene	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/08/23 15:36	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Toluene	ND		5.0	1.4	ug/Kg			04/08/23 15:36	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/08/23 15:36	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/08/23 15:36	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/08/23 15:36	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/08/23 15:36	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/08/23 15:36	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/08/23 15:36	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/08/23 15:36	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/08/23 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/08/23 15:36	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/08/23 15:36	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/08/23 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*04/08/23 15:36*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*		*04/08/23 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*		*04/08/23 15:36*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*		*04/08/23 15:36*	*1*

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	48.1		ug/Kg		120	23 - 170
Benzene	40.0	35.4		ug/Kg		89	77 - 120
Bromoform	40.0	47.9		ug/Kg		120	37 - 147
Bromomethane	40.0	33.6		ug/Kg		84	47 - 149
2-Butanone (MEK)	40.0	40.3		ug/Kg		101	39 - 157

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	40.0	32.4		ug/Kg		81	40 - 156
Carbon tetrachloride	40.0	37.8		ug/Kg		95	73 - 130
Chlorobenzene	40.0	37.3		ug/Kg		93	79 - 122
Chlorobromomethane	40.0	38.1		ug/Kg		95	64 - 128
Chlorodibromomethane	40.0	42.7		ug/Kg		107	60 - 134
Chloroethane	40.0	39.0		ug/Kg		98	37 - 159
Chloroform	40.0	35.6		ug/Kg		89	73 - 126
Chloromethane	40.0	21.4		ug/Kg		54	46 - 151
cis-1,2-Dichloroethene	40.0	36.4		ug/Kg		91	77 - 118
cis-1,3-Dichloropropene	40.0	37.5		ug/Kg		94	73 - 127
Cyclohexane	40.0	32.9		ug/Kg		82	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	46.7		ug/Kg		117	30 - 163
1,2-Dibromoethane	40.0	42.9		ug/Kg		107	59 - 137
1,2-Dichlorobenzene	40.0	37.1		ug/Kg		93	76 - 120
1,3-Dichlorobenzene	40.0	37.8		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	38.1		ug/Kg		95	79 - 120
Dichlorobromomethane	40.0	36.5		ug/Kg		91	75 - 123
Dichlorodifluoromethane	40.0	15.4		ug/Kg		39	26 - 149
1,1-Dichloroethane	40.0	33.6		ug/Kg		84	73 - 124
1,2-Dichloroethane	40.0	40.3		ug/Kg		101	64 - 140
1,1-Dichloroethene	40.0	35.9		ug/Kg		90	55 - 136
1,2-Dichloroethene, Total	80.0	73.5		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	32.7		ug/Kg		82	77 - 119
1,4-Dioxane	800	848	J	ug/Kg		106	18 - 166
Ethylbenzene	40.0	37.2		ug/Kg		93	79 - 119
2-Hexanone	40.0	45.0		ug/Kg		112	42 - 152
Isopropylbenzene	40.0	42.3		ug/Kg		106	70 - 125
Methyl acetate	80.0	130		ug/Kg		162	20 - 170
Methylcyclohexane	40.0	36.1		ug/Kg		90	70 - 125
Methylene Chloride	40.0	34.6		ug/Kg		86	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	44.8		ug/Kg		112	51 - 147
Methyl tert-butyl ether	40.0	35.9		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	40.0		ug/Kg		100	77 - 120
o-Xylene	40.0	40.6		ug/Kg		102	78 - 118
Styrene	40.0	40.3		ug/Kg		101	80 - 120
1,1,2,2-Tetrachloroethane	40.0	53.1		ug/Kg		133	36 - 170
Tetrachloroethene	40.0	44.0		ug/Kg		110	71 - 121
Toluene	40.0	39.3		ug/Kg		98	76 - 120
trans-1,2-Dichloroethene	40.0	37.1		ug/Kg		93	75 - 122
trans-1,3-Dichloropropene	40.0	41.6		ug/Kg		104	68 - 133
1,2,3-Trichlorobenzene	40.0	36.2		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	35.3		ug/Kg		88	22 - 170
1,1,1-Trichloroethane	40.0	38.5		ug/Kg		96	72 - 134
1,1,2-Trichloroethane	40.0	42.6		ug/Kg		107	66 - 128
Trichloroethene	40.0	38.2		ug/Kg		96	69 - 118
Trichlorofluoromethane	40.0	41.0		ug/Kg		103	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	35.9		ug/Kg		90	59 - 135
Vinyl chloride	40.0	26.6		ug/Kg		66	64 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-431744/11
Matrix: Solid
Analysis Batch: 431744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			80.0	80.6		ug/Kg		101	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*112*		*67 - 134*

Lab Sample ID: MB 180-432181/7
Matrix: Solid
Analysis Batch: 432181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/13/23 12:53	1
Benzene	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
Bromoform	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/13/23 12:53	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/13/23 12:53	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/13/23 12:53	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/13/23 12:53	1
Chloroform	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/13/23 12:53	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/13/23 12:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/13/23 12:53	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/13/23 12:53	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/13/23 12:53	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/13/23 12:53	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/13/23 12:53	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/13/23 12:53	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/13/23 12:53	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/13/23 12:53	1
Methyl acetate	ND		25	7.4	ug/Kg			04/13/23 12:53	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/13/23 12:53	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/13/23 12:53	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-432181/7
Matrix: Solid
Analysis Batch: 432181

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/13/23 12:53	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/13/23 12:53	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Styrene	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/13/23 12:53	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Toluene	ND		5.0	1.4	ug/Kg			04/13/23 12:53	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/13/23 12:53	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/13/23 12:53	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/13/23 12:53	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/13/23 12:53	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/13/23 12:53	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/13/23 12:53	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/13/23 12:53	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/13/23 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/13/23 12:53	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/13/23 12:53	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/13/23 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*		*04/13/23 12:53*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*04/13/23 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*		*04/13/23 12:53*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*04/13/23 12:53*	*1*

Lab Sample ID: LCS 180-432181/18
Matrix: Solid
Analysis Batch: 432181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	45.8		ug/Kg		115	23 - 170
Benzene	40.0	42.0		ug/Kg		105	77 - 120
Bromoform	40.0	37.1		ug/Kg		93	37 - 147
Bromomethane	40.0	29.5		ug/Kg		74	47 - 149
2-Butanone (MEK)	40.0	42.0		ug/Kg		105	39 - 157
Carbon disulfide	40.0	56.3		ug/Kg		141	40 - 156
Carbon tetrachloride	40.0	41.1		ug/Kg		103	73 - 130
Chlorobenzene	40.0	35.9		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	40.4		ug/Kg		101	64 - 128
Chlorodibromomethane	40.0	37.1		ug/Kg		93	60 - 134
Chloroethane	40.0	36.5		ug/Kg		91	37 - 159
Chloroform	40.0	38.8		ug/Kg		97	73 - 126
Chloromethane	40.0	36.4		ug/Kg		91	46 - 151
cis-1,2-Dichloroethene	40.0	41.8		ug/Kg		105	77 - 118
cis-1,3-Dichloropropene	40.0	42.1		ug/Kg		105	73 - 127
Cyclohexane	40.0	43.5		ug/Kg		109	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	40.2		ug/Kg		100	30 - 163

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-432181/18
Matrix: Solid
Analysis Batch: 432181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	40.0	38.0		ug/Kg		95	59 - 137
1,2-Dichlorobenzene	40.0	35.0		ug/Kg		88	76 - 120
1,3-Dichlorobenzene	40.0	35.6		ug/Kg		89	77 - 121
1,4-Dichlorobenzene	40.0	35.1		ug/Kg		88	79 - 120
Dichlorobromomethane	40.0	37.5		ug/Kg		94	75 - 123
Dichlorodifluoromethane	40.0	59.1		ug/Kg		148	26 - 149
1,1-Dichloroethane	40.0	43.5		ug/Kg		109	73 - 124
1,2-Dichloroethane	40.0	41.9		ug/Kg		105	64 - 140
1,1-Dichloroethene	40.0	48.7		ug/Kg		122	55 - 136
1,2-Dichloroethene, Total	80.0	88.3		ug/Kg		110	77 - 119
1,2-Dichloropropane	40.0	38.5		ug/Kg		96	77 - 119
1,4-Dioxane	800	782	J	ug/Kg		98	18 - 166
Ethylbenzene	40.0	36.3		ug/Kg		91	79 - 119
2-Hexanone	40.0	38.2		ug/Kg		95	42 - 152
Isopropylbenzene	40.0	36.1		ug/Kg		90	70 - 125
Methyl acetate	80.0	149	*+	ug/Kg		186	20 - 170
Methylcyclohexane	40.0	43.3		ug/Kg		108	70 - 125
Methylene Chloride	40.0	46.5		ug/Kg		116	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.5		ug/Kg		86	51 - 147
Methyl tert-butyl ether	40.0	44.8		ug/Kg		112	58 - 132
m-Xylene & p-Xylene	40.0	38.4		ug/Kg		96	77 - 120
o-Xylene	40.0	36.3		ug/Kg		91	78 - 118
Styrene	40.0	36.7		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	43.1		ug/Kg		108	36 - 170
Tetrachloroethene	40.0	37.5		ug/Kg		94	71 - 121
Toluene	40.0	33.7		ug/Kg		84	76 - 120
trans-1,2-Dichloroethene	40.0	46.5		ug/Kg		116	75 - 122
trans-1,3-Dichloropropene	40.0	36.5		ug/Kg		91	68 - 133
1,2,3-Trichlorobenzene	40.0	36.4		ug/Kg		91	29 - 166
1,2,4-Trichlorobenzene	40.0	36.2		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	40.4		ug/Kg		101	72 - 134
1,1,2-Trichloroethane	40.0	36.6		ug/Kg		91	66 - 128
Trichloroethene	40.0	40.6		ug/Kg		102	69 - 118
Trichlorofluoromethane	40.0	33.6		ug/Kg		84	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	43.0		ug/Kg		108	59 - 135
Vinyl chloride	40.0	35.3		ug/Kg		88	64 - 134
Xylenes, Total	80.0	74.7		ug/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-431993/1-A
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Acenaphthylene	ND		67	15	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Acetophenone	ND		670	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Anthracene	ND		67	17	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Atrazine	ND		670	150	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Benzaldehyde	ND		670	41	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Caprolactam	ND		1700	220	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Carbazole	ND		67	16	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4-Chloroaniline	ND		330	88	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2-Chlorophenol	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Chrysene	ND		67	37	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Dibenzofuran	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Diethyl phthalate	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
1,4-Dioxane	ND		670	100	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Fluoranthene	ND		67	18	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Fluorene	ND		67	13	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Hexachloroethane	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Isophorone	ND		330	130	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/11/23 17:11	04/12/23 08:42	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-431993/1-A
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		330	96	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Naphthalene	ND		67	13	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
3-Nitroaniline	ND		1700	85	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Nitrobenzene	ND		670	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2-Nitrophenol	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Phenanthrene	ND		67	18	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Phenol	ND		330	100	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
Pyrene	ND		67	16	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/11/23 17:11	04/12/23 08:42	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/11/23 17:11	04/12/23 08:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*04/11/23 17:11*	*04/12/23 08:42*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*04/11/23 17:11*	*04/12/23 08:42*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*04/11/23 17:11*	*04/12/23 08:42*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*04/11/23 17:11*	*04/12/23 08:42*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*04/11/23 17:11*	*04/12/23 08:42*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/11/23 17:11*	*04/12/23 08:42*	*1*

Lab Sample ID: LCS 180-431993/2-A
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4380		ug/Kg		66	50 - 100
Acenaphthylene	6670	4390		ug/Kg		66	52 - 100
Acetophenone	6670	4060		ug/Kg		61	48 - 100
Anthracene	6670	4360		ug/Kg		65	53 - 100
Atrazine	6670	4580		ug/Kg		69	49 - 103
Benzaldehyde	6670	4190		ug/Kg		63	23 - 105
Benzo[a]anthracene	6670	4690		ug/Kg		70	51 - 100
Benzo[a]pyrene	6670	4830		ug/Kg		73	51 - 100
Benzo[b]fluoranthene	6670	4780		ug/Kg		72	48 - 100
Benzo[g,h,i]perylene	6670	3670		ug/Kg		55	48 - 105
Benzo[k]fluoranthene	6670	4420		ug/Kg		66	19 - 100
1,1'-Biphenyl	6670	4340		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	4180		ug/Kg		63	49 - 100
Bis(2-chloroethyl)ether	6670	4250		ug/Kg		64	48 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-431993/2-A
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	6670	4580		ug/Kg		69	53 - 107
4-Bromophenyl phenyl ether	6670	5010		ug/Kg		75	52 - 101
Butyl benzyl phthalate	6670	4800		ug/Kg		72	52 - 107
Caprolactam	6670	4130		ug/Kg		62	48 - 111
Carbazole	6670	4070		ug/Kg		61	53 - 100
4-Chloroaniline	6670	4170		ug/Kg		63	47 - 100
4-Chloro-3-methylphenol	6670	4540		ug/Kg		68	49 - 106
2-Chloronaphthalene	6670	4180		ug/Kg		63	51 - 100
2-Chlorophenol	6670	4460		ug/Kg		67	51 - 100
4-Chlorophenyl phenyl ether	6670	4430		ug/Kg		67	52 - 100
Chrysene	6670	3800		ug/Kg		57	50 - 100
Dibenz(a,h)anthracene	6670	4270		ug/Kg		64	50 - 107
Dibenzofuran	6670	4090		ug/Kg		61	52 - 100
3,3'-Dichlorobenzidine	6670	4360		ug/Kg		65	43 - 100
2,4-Dichlorophenol	6670	4310		ug/Kg		65	53 - 101
Diethyl phthalate	6670	4220		ug/Kg		63	48 - 104
2,4-Dimethylphenol	6670	5010		ug/Kg		75	51 - 101
Dimethyl phthalate	6670	4520		ug/Kg		68	53 - 100
Di-n-butyl phthalate	6670	4600		ug/Kg		69	57 - 102
4,6-Dinitro-2-methylphenol	13300	8040		ug/Kg		60	51 - 100
2,4-Dinitrophenol	13300	5830		ug/Kg		44	33 - 101
2,4-Dinitrotoluene	6670	4530		ug/Kg		68	54 - 104
2,6-Dinitrotoluene	6670	4450		ug/Kg		67	51 - 106
Di-n-octyl phthalate	6670	5830		ug/Kg		87	41 - 106
1,4-Dioxane	6670	6630		ug/Kg		99	25 - 125
Fluoranthene	6670	4660		ug/Kg		70	55 - 100
Fluorene	6670	4350		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4670		ug/Kg		70	49 - 100
Hexachlorobutadiene	6670	4860		ug/Kg		73	38 - 107
Hexachlorocyclopentadiene	6670	5580		ug/Kg		84	33 - 117
Hexachloroethane	6670	4420		ug/Kg		66	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4680		ug/Kg		70	51 - 103
Isophorone	6670	4960		ug/Kg		74	48 - 105
2-Methylnaphthalene	6670	4340		ug/Kg		65	53 - 100
2-Methylphenol	6670	4020		ug/Kg		60	50 - 101
Methylphenol, 3 & 4	6670	3820		ug/Kg		57	50 - 103
Naphthalene	6670	4190		ug/Kg		63	51 - 100
2-Nitroaniline	6670	5780		ug/Kg		87	42 - 123
3-Nitroaniline	6670	4220		ug/Kg		63	50 - 103
4-Nitroaniline	6670	4210		ug/Kg		63	52 - 103
Nitrobenzene	6670	5240		ug/Kg		79	44 - 108
2-Nitrophenol	6670	4930		ug/Kg		74	55 - 107
4-Nitrophenol	13300	12400		ug/Kg		93	30 - 134
N-Nitrosodi-n-propylamine	6670	4570		ug/Kg		69	45 - 107
N-Nitrosodiphenylamine	6670	4620		ug/Kg		69	52 - 100
2,2'-oxybis[1-chloropropane]	6670	3510		ug/Kg		53	30 - 113
Pentachlorophenol	13300	10100		ug/Kg		76	42 - 110
Phenanthrene	6670	4040		ug/Kg		61	53 - 100
Phenol	6670	4170		ug/Kg		63	49 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-431993/2-A
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431993

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			6670	4470		ug/Kg		67	52 - 100		
1,2,4,5-Tetrachlorobenzene			6670	4680		ug/Kg		70	41 - 104		
2,3,4,6-Tetrachlorophenol			6670	4480		ug/Kg		67	47 - 104		
2,4,5-Trichlorophenol			6670	4470		ug/Kg		67	50 - 104		
2,4,6-Trichlorophenol			6670	4630		ug/Kg		69	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*80*		*48 - 105*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*
Phenol-d5 (Surr)	*63*		*46 - 105*
Terphenyl-d14 (Surr)	*66*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*73*		*34 - 108*

Lab Sample ID: 180-154375-14 MS
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7040	5010		ug/Kg	☼	71	50 - 100		
Acenaphthylene	ND		7040	5040		ug/Kg	☼	72	52 - 100		
Acetophenone	ND		7040	4550		ug/Kg	☼	65	48 - 100		
Anthracene	ND		7040	4880		ug/Kg	☼	69	53 - 100		
Atrazine	ND		7040	4890		ug/Kg	☼	69	49 - 103		
Benzaldehyde	ND		7040	4660		ug/Kg	☼	66	23 - 105		
Benzo[a]anthracene	ND		7040	5230		ug/Kg	☼	74	51 - 100		
Benzo[a]pyrene	ND		7040	5540		ug/Kg	☼	79	51 - 100		
Benzo[b]fluoranthene	ND		7040	5390		ug/Kg	☼	77	48 - 100		
Benzo[g,h,i]perylene	ND		7040	4550		ug/Kg	☼	65	48 - 105		
Benzo[k]fluoranthene	ND		7040	5040		ug/Kg	☼	72	19 - 100		
1,1'-Biphenyl	ND		7040	5030		ug/Kg	☼	71	50 - 100		
Bis(2-chloroethoxy)methane	ND		7040	4570		ug/Kg	☼	65	49 - 100		
Bis(2-chloroethyl)ether	ND		7040	4610		ug/Kg	☼	65	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7040	5150		ug/Kg	☼	73	53 - 107		
4-Bromophenyl phenyl ether	ND		7040	5480		ug/Kg	☼	78	52 - 101		
Butyl benzyl phthalate	ND		7040	5750		ug/Kg	☼	82	52 - 107		
Caprolactam	ND		7040	4140		ug/Kg	☼	59	48 - 111		
Carbazole	ND		7040	4630		ug/Kg	☼	66	53 - 100		
4-Chloroaniline	ND		7040	4310		ug/Kg	☼	61	47 - 100		
4-Chloro-3-methylphenol	ND		7040	5180		ug/Kg	☼	74	49 - 106		
2-Chloronaphthalene	ND		7040	4800		ug/Kg	☼	68	51 - 100		
2-Chlorophenol	ND		7040	4660		ug/Kg	☼	66	51 - 100		
4-Chlorophenyl phenyl ether	ND		7040	5010		ug/Kg	☼	71	52 - 100		
Chrysene	ND		7040	4290		ug/Kg	☼	61	50 - 100		
Dibenz(a,h)anthracene	ND		7040	5010		ug/Kg	☼	71	50 - 107		
Dibenzofuran	ND		7040	4780		ug/Kg	☼	68	52 - 100		
3,3'-Dichlorobenzidine	ND		7040	4460		ug/Kg	☼	63	43 - 100		
2,4-Dichlorophenol	ND		7040	4860		ug/Kg	☼	69	53 - 101		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154375-14 MS
Client Sample ID: SSHS-IRM5A2-MSA-B72
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432034
Prep Batch: 431993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	ND		7040	5090		ug/Kg	☼	72	48 - 104
2,4-Dimethylphenol	ND		7040	5090		ug/Kg	☼	72	51 - 101
Dimethyl phthalate	ND		7040	5190		ug/Kg	☼	74	53 - 100
Di-n-butyl phthalate	ND		7040	5410		ug/Kg	☼	77	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	14100	7570		ug/Kg	☼	54	51 - 100
2,4-Dinitrophenol	ND	F1	14100	3150	J F1	ug/Kg	☼	22	33 - 101
2,4-Dinitrotoluene	ND		7040	5220		ug/Kg	☼	74	54 - 104
2,6-Dinitrotoluene	ND		7040	5230		ug/Kg	☼	74	51 - 106
Di-n-octyl phthalate	ND		7040	6240		ug/Kg	☼	89	41 - 106
1,4-Dioxane	ND		7040	4950		ug/Kg	☼	70	25 - 125
Fluoranthene	ND		7040	5180		ug/Kg	☼	74	55 - 100
Fluorene	ND		7040	4850		ug/Kg	☼	69	52 - 100
Hexachlorobenzene	ND		7040	5040		ug/Kg	☼	72	49 - 100
Hexachlorobutadiene	ND		7040	5370		ug/Kg	☼	76	38 - 107
Hexachlorocyclopentadiene	ND		7040	5920		ug/Kg	☼	84	33 - 117
Hexachloroethane	ND		7040	4690		ug/Kg	☼	67	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7040	5640		ug/Kg	☼	80	51 - 103
Isophorone	ND		7040	5630		ug/Kg	☼	80	48 - 105
2-Methylnaphthalene	ND		7040	4980		ug/Kg	☼	71	53 - 100
2-Methylphenol	ND		7040	4260		ug/Kg	☼	61	50 - 101
Methylphenol, 3 & 4	ND		7040	4320		ug/Kg	☼	61	50 - 103
Naphthalene	ND		7040	4760		ug/Kg	☼	68	51 - 100
2-Nitroaniline	ND		7040	6730		ug/Kg	☼	96	42 - 123
3-Nitroaniline	ND		7040	4630		ug/Kg	☼	66	50 - 103
4-Nitroaniline	ND		7040	4330		ug/Kg	☼	62	52 - 103
Nitrobenzene	ND		7040	5930		ug/Kg	☼	84	44 - 108
2-Nitrophenol	ND		7040	5640		ug/Kg	☼	80	55 - 107
4-Nitrophenol	ND		14100	14300		ug/Kg	☼	102	30 - 134
N-Nitrosodi-n-propylamine	ND		7040	5040		ug/Kg	☼	72	45 - 107
N-Nitrosodiphenylamine	ND		7040	4990		ug/Kg	☼	71	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7040	3870		ug/Kg	☼	55	30 - 113
Pentachlorophenol	ND		14100	9540		ug/Kg	☼	68	42 - 110
Phenanthrene	ND		7040	4710		ug/Kg	☼	67	53 - 100
Phenol	ND		7040	4600		ug/Kg	☼	65	49 - 100
Pyrene	ND		7040	5120		ug/Kg	☼	73	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7040	5330		ug/Kg	☼	76	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7040	5060		ug/Kg	☼	72	47 - 104
2,4,5-Trichlorophenol	ND		7040	5040		ug/Kg	☼	72	50 - 104
2,4,6-Trichlorophenol	ND		7040	5210		ug/Kg	☼	74	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*
Phenol-d5 (Surr)	*64*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154375-14 MSD
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7090	4830		ug/Kg	☼	68	50 - 100	4	20
Acenaphthylene	ND		7090	4910		ug/Kg	☼	69	52 - 100	3	20
Acetophenone	ND		7090	4560		ug/Kg	☼	64	48 - 100	0	17
Anthracene	ND		7090	4810		ug/Kg	☼	68	53 - 100	1	20
Atrazine	ND		7090	4800		ug/Kg	☼	68	49 - 103	2	19
Benzaldehyde	ND		7090	5070		ug/Kg	☼	72	23 - 105	8	31
Benzo[a]anthracene	ND		7090	5090		ug/Kg	☼	72	51 - 100	3	21
Benzo[a]pyrene	ND		7090	5390		ug/Kg	☼	76	51 - 100	3	20
Benzo[b]fluoranthene	ND		7090	4890		ug/Kg	☼	69	48 - 100	10	20
Benzo[g,h,i]perylene	ND		7090	4520		ug/Kg	☼	64	48 - 105	1	19
Benzo[k]fluoranthene	ND		7090	5100		ug/Kg	☼	72	19 - 100	1	20
1,1'-Biphenyl	ND		7090	4770		ug/Kg	☼	67	50 - 100	5	19
Bis(2-chloroethoxy)methane	ND		7090	4320		ug/Kg	☼	61	49 - 100	6	20
Bis(2-chloroethyl)ether	ND		7090	4610		ug/Kg	☼	65	48 - 100	0	18
Bis(2-ethylhexyl) phthalate	ND		7090	5110		ug/Kg	☼	72	53 - 107	1	20
4-Bromophenyl phenyl ether	ND		7090	5260		ug/Kg	☼	74	52 - 101	4	20
Butyl benzyl phthalate	ND		7090	5390		ug/Kg	☼	76	52 - 107	6	19
Caprolactam	ND		7090	4090		ug/Kg	☼	58	48 - 111	1	23
Carbazole	ND		7090	4550		ug/Kg	☼	64	53 - 100	2	20
4-Chloroaniline	ND		7090	4390		ug/Kg	☼	62	47 - 100	2	20
4-Chloro-3-methylphenol	ND		7090	5220		ug/Kg	☼	74	49 - 106	1	20
2-Chloronaphthalene	ND		7090	4530		ug/Kg	☼	64	51 - 100	6	20
2-Chlorophenol	ND		7090	4870		ug/Kg	☼	69	51 - 100	4	17
4-Chlorophenyl phenyl ether	ND		7090	4950		ug/Kg	☼	70	52 - 100	1	19
Chrysene	ND		7090	4290		ug/Kg	☼	61	50 - 100	0	20
Dibenz(a,h)anthracene	ND		7090	4710		ug/Kg	☼	67	50 - 107	6	21
Dibenzofuran	ND		7090	4650		ug/Kg	☼	66	52 - 100	3	19
3,3'-Dichlorobenzidine	ND		7090	4310		ug/Kg	☼	61	43 - 100	3	19
2,4-Dichlorophenol	ND		7090	4580		ug/Kg	☼	65	53 - 101	6	22
Diethyl phthalate	ND		7090	4930		ug/Kg	☼	70	48 - 104	3	20
2,4-Dimethylphenol	ND		7090	4900		ug/Kg	☼	69	51 - 101	4	32
Dimethyl phthalate	ND		7090	5090		ug/Kg	☼	72	53 - 100	2	21
Di-n-butyl phthalate	ND		7090	5160		ug/Kg	☼	73	57 - 102	5	20
4,6-Dinitro-2-methylphenol	ND	F1	14200	7140	F1	ug/Kg	☼	50	51 - 100	6	22
2,4-Dinitrophenol	ND	F1	14200	3190	J F1	ug/Kg	☼	23	33 - 101	1	20
2,4-Dinitrotoluene	ND		7090	5300		ug/Kg	☼	75	54 - 104	1	20
2,6-Dinitrotoluene	ND		7090	5270		ug/Kg	☼	74	51 - 106	1	20
Di-n-octyl phthalate	ND		7090	5880		ug/Kg	☼	83	41 - 106	6	18
1,4-Dioxane	ND		7090	4780		ug/Kg	☼	67	25 - 125	4	17
Fluoranthene	ND		7090	5100		ug/Kg	☼	72	55 - 100	2	20
Fluorene	ND		7090	4840		ug/Kg	☼	68	52 - 100	0	19
Hexachlorobenzene	ND		7090	4850		ug/Kg	☼	68	49 - 100	4	20
Hexachlorobutadiene	ND		7090	5120		ug/Kg	☼	72	38 - 107	5	22
Hexachlorocyclopentadiene	ND		7090	5480		ug/Kg	☼	77	33 - 117	8	19
Hexachloroethane	ND		7090	4540		ug/Kg	☼	64	47 - 100	3	17
Indeno[1,2,3-cd]pyrene	ND		7090	5400		ug/Kg	☼	76	51 - 103	4	19
Isophorone	ND		7090	5260		ug/Kg	☼	74	48 - 105	7	20
2-Methylnaphthalene	ND		7090	4870		ug/Kg	☼	69	53 - 100	2	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-154375-14 MSD
Matrix: Solid
Analysis Batch: 432034

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7090	4400		ug/Kg	☼	62	50 - 101	3	17
Methylphenol, 3 & 4	ND		7090	4510		ug/Kg	☼	64	50 - 103	4	19
Naphthalene	ND		7090	4560		ug/Kg	☼	64	51 - 100	4	20
2-Nitroaniline	ND		7090	6380		ug/Kg	☼	90	42 - 123	5	19
3-Nitroaniline	ND		7090	4540		ug/Kg	☼	64	50 - 103	2	20
4-Nitroaniline	ND		7090	4320		ug/Kg	☼	61	52 - 103	0	18
Nitrobenzene	ND		7090	5610		ug/Kg	☼	79	44 - 108	6	21
2-Nitrophenol	ND		7090	5360		ug/Kg	☼	76	55 - 107	5	19
4-Nitrophenol	ND		14200	14000		ug/Kg	☼	99	30 - 134	2	18
N-Nitrosodi-n-propylamine	ND		7090	5170		ug/Kg	☼	73	45 - 107	3	18
N-Nitrosodiphenylamine	ND		7090	4870		ug/Kg	☼	69	52 - 100	2	20
2,2'-oxybis[1-chloropropane]	ND		7090	3990		ug/Kg	☼	56	30 - 113	3	17
Pentachlorophenol	ND		14200	9140		ug/Kg	☼	64	42 - 110	4	20
Phenanthrene	ND		7090	4580		ug/Kg	☼	65	53 - 100	3	20
Phenol	ND		7090	4660		ug/Kg	☼	66	49 - 100	1	16
Pyrene	ND		7090	4870		ug/Kg	☼	69	52 - 100	5	20
1,2,4,5-Tetrachlorobenzene	ND		7090	4910		ug/Kg	☼	69	41 - 104	8	21
2,3,4,6-Tetrachlorophenol	ND		7090	4900		ug/Kg	☼	69	47 - 104	3	18
2,4,5-Trichlorophenol	ND		7090	4810		ug/Kg	☼	68	50 - 104	5	21
2,4,6-Trichlorophenol	ND		7090	4990		ug/Kg	☼	70	50 - 105	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*63*		*46 - 105*
Terphenyl-d14 (Surr)	*68*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-431106/1-C
Matrix: Solid
Analysis Batch: 431206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1221	ND		17	5.9	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1232	ND		17	4.1	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1242	ND		17	2.4	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1248	ND		17	4.0	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1254	ND		17	5.0	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1260	ND		17	4.7	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1262	ND		17	5.9	ug/Kg		04/03/23 10:42	04/04/23 18:34	1
PCB-1268	ND		17	2.2	ug/Kg		04/03/23 10:42	04/04/23 18:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*127*		*63 - 138*	*04/03/23 10:42*	*04/04/23 18:34*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-431106/1-C
Matrix: Solid
Analysis Batch: 431206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431106

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	123		63 - 138	04/03/23 10:42	04/04/23 18:34	1
Tetrachloro-m-xylene (Surr)	101		55 - 135	04/03/23 10:42	04/04/23 18:34	1
Tetrachloro-m-xylene (Surr)	102		55 - 135	04/03/23 10:42	04/04/23 18:34	1

Lab Sample ID: LCS 180-431106/2-C
Matrix: Solid
Analysis Batch: 431206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431106

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1500		ug/Kg		113	43 - 136		
PCB-1260			1330	1490		ug/Kg		112	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	142	S1+	63 - 138
DCB Decachlorobiphenyl (Surr)	135		63 - 138
Tetrachloro-m-xylene (Surr)	110		55 - 135
Tetrachloro-m-xylene (Surr)	113		55 - 135

Lab Sample ID: 180-154375-14 MS
Matrix: Solid
Analysis Batch: 431206

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1410	1180		ug/Kg	☼	84	43 - 136		
PCB-1260	ND		1410	1250		ug/Kg	☼	89	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	107		63 - 138
DCB Decachlorobiphenyl (Surr)	102		63 - 138
Tetrachloro-m-xylene (Surr)	81		55 - 135
Tetrachloro-m-xylene (Surr)	84		55 - 135

Lab Sample ID: 180-154375-14 MSD
Matrix: Solid
Analysis Batch: 431206

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 431106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1420	1230		ug/Kg	☼	86	43 - 136	3	40
PCB-1260	ND		1420	1270		ug/Kg	☼	90	55 - 128	2	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	108		63 - 138
DCB Decachlorobiphenyl (Surr)	102		63 - 138
Tetrachloro-m-xylene (Surr)	85		55 - 135
Tetrachloro-m-xylene (Surr)	87		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-431272/1-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Arsenic	ND		1.0	0.63	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Barium	ND		20	3.6	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Beryllium	ND		0.40	0.11	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Cadmium	ND		0.50	0.073	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Calcium	ND		500	65	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Chromium	ND		0.50	0.46	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Cobalt	ND		5.0	0.70	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Copper	ND		2.5	1.5	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Iron	ND		10	9.7	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Lead	ND		1.0	0.87	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Magnesium	ND		500	55	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Manganese	ND		1.5	0.28	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Nickel	ND		4.0	0.50	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Potassium	ND		500	85	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Selenium	ND		1.0	0.46	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Silver	ND		0.50	0.10	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Sodium	ND		500	51	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Thallium	ND		2.0	0.28	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Vanadium	ND		5.0	0.79	mg/Kg		04/04/23 11:46	04/17/23 20:22	1
Zinc	ND		2.0	1.5	mg/Kg		04/04/23 11:46	04/17/23 20:22	1

Lab Sample ID: LCS 180-431272/2-A
Matrix: Solid
Analysis Batch: 432570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	1150		mg/Kg		115	80 - 120
Arsenic	100	120		mg/Kg		120	80 - 120
Barium	100	112		mg/Kg		112	80 - 120
Beryllium	50.0	55.4		mg/Kg		111	80 - 120
Cadmium	50.0	56.6		mg/Kg		113	80 - 120
Calcium	5000	5740		mg/Kg		115	80 - 120
Chromium	50.0	57.4		mg/Kg		115	80 - 120
Cobalt	50.0	57.5		mg/Kg		115	80 - 120
Copper	50.0	56.1		mg/Kg		112	80 - 120
Iron	1000	1150		mg/Kg		115	80 - 120
Lead	50.0	56.9		mg/Kg		114	80 - 120
Magnesium	5000	5730		mg/Kg		115	80 - 120
Manganese	50.0	54.2		mg/Kg		108	80 - 120
Nickel	50.0	57.4		mg/Kg		115	80 - 120
Potassium	5000	5840		mg/Kg		117	80 - 120
Selenium	100	115		mg/Kg		115	80 - 120
Silver	25.0	28.1		mg/Kg		112	80 - 120
Sodium	5000	5930		mg/Kg		119	80 - 120
Thallium	100	110		mg/Kg		110	80 - 120
Vanadium	50.0	57.1		mg/Kg		114	80 - 120
Zinc	25.0	30.1		mg/Kg		120	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-154375-14 MS
Client Sample ID: SSHS-IRM5A2-MSA-B72
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432570
Prep Batch: 431272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	8900	F2	1180	10700	4	mg/Kg	☼	156	75 - 125
Arsenic	8.3	F2	118	124		mg/Kg	☼	98	75 - 125
Barium	68	F2	118	192		mg/Kg	☼	105	75 - 125
Beryllium	0.36	F2	59.1	53.1		mg/Kg	☼	89	75 - 125
Cadmium	0.50	F2	59.1	53.6		mg/Kg	☼	90	75 - 125
Calcium	7800	F2 F1	5910	10000	F1	mg/Kg	☼	37	75 - 125
Chromium	11	F2	59.1	67.4		mg/Kg	☼	95	75 - 125
Cobalt	9.5	F2	59.1	69.5		mg/Kg	☼	102	75 - 125
Copper	15	F2 F1	59.1	99.3	F1	mg/Kg	☼	143	75 - 125
Iron	22000	F2	1180	25500	4	mg/Kg	☼	329	75 - 125
Lead	9.4	F2	59.1	75.4		mg/Kg	☼	112	75 - 125
Magnesium	3000	F2 F1	5910	8420		mg/Kg	☼	91	75 - 125
Manganese	510	F2	59.1	504	4	mg/Kg	☼	-15	75 - 125
Nickel	20	F2	59.1	80.1		mg/Kg	☼	102	75 - 125
Potassium	720	F2	5910	6110		mg/Kg	☼	91	75 - 125
Selenium	ND	F2	118	108		mg/Kg	☼	92	75 - 125
Silver	ND	F2	29.5	27.2		mg/Kg	☼	92	75 - 125
Sodium	56	J F2	5910	5860		mg/Kg	☼	98	75 - 125
Thallium	0.38	J F2	118	111		mg/Kg	☼	94	75 - 125
Vanadium	12	F2	59.1	68.4		mg/Kg	☼	95	75 - 125
Zinc	53	F1	29.5	83.7		mg/Kg	☼	105	75 - 125

Lab Sample ID: 180-154375-14 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B72
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 432570
Prep Batch: 431272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	8900	F2	985	8210	4 F2	mg/Kg	☼	-67	75 - 125	26	20
Arsenic	8.3	F2	98.5	94.3	F2	mg/Kg	☼	87	75 - 125	28	20
Barium	68	F2	98.5	143	F2	mg/Kg	☼	77	75 - 125	29	20
Beryllium	0.36	F2	49.2	40.5	F2	mg/Kg	☼	82	75 - 125	27	20
Cadmium	0.50	F2	49.2	42.0	F2	mg/Kg	☼	84	75 - 125	24	20
Calcium	7800	F2 F1	4920	5690	F2 F1	mg/Kg	☼	-43	75 - 125	55	20
Chromium	11	F2	49.2	51.6	F2	mg/Kg	☼	81	75 - 125	27	20
Cobalt	9.5	F2	49.2	51.5	F2	mg/Kg	☼	85	75 - 125	30	20
Copper	15	F2 F1	49.2	58.5	F2	mg/Kg	☼	88	75 - 125	52	20
Iron	22000	F2	985	19800	4 F2	mg/Kg	☼	-185	75 - 125	25	20
Lead	9.4	F2	49.2	50.2	F2	mg/Kg	☼	83	75 - 125	40	20
Magnesium	3000	F2 F1	4920	6470	F2 F1	mg/Kg	☼	70	75 - 125	26	20
Manganese	510	F2	49.2	283	4 F2	mg/Kg	☼	-468	75 - 125	56	20
Nickel	20	F2	49.2	61.1	F2	mg/Kg	☼	83	75 - 125	27	20
Potassium	720	F2	4920	4490	F2	mg/Kg	☼	77	75 - 125	30	20
Selenium	ND	F2	98.5	85.5	F2	mg/Kg	☼	87	75 - 125	24	20
Silver	ND	F2	24.6	21.2	F2	mg/Kg	☼	86	75 - 125	25	20
Sodium	56	J F2	4920	4500	F2	mg/Kg	☼	90	75 - 125	26	20
Thallium	0.38	J F2	98.5	86.2	F2	mg/Kg	☼	87	75 - 125	25	20
Vanadium	12	F2	49.2	51.4	F2	mg/Kg	☼	79	75 - 125	28	20
Zinc	53	F1	24.6	69.0	F1	mg/Kg	☼	67	75 - 125	19	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-431789/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Antimony	ND		1.0	0.30	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Arsenic	ND		1.0	0.63	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Barium	ND		20	3.6	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Beryllium	ND		0.40	0.11	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Cadmium	ND		0.50	0.073	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Calcium	ND		500	65	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Chromium	ND		0.50	0.46	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Cobalt	ND		5.0	0.70	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Copper	ND		2.5	1.5	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Iron	ND		10	9.7	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Lead	ND		1.0	0.87	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Magnesium	ND		500	55	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Manganese	ND		1.5	0.28	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Nickel	ND		4.0	0.50	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Potassium	ND		500	85	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Selenium	ND		1.0	0.46	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Silver	ND		0.50	0.10	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Sodium	ND		500	51	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Thallium	ND		2.0	0.28	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Vanadium	ND		5.0	0.79	mg/Kg		04/10/23 08:08	04/20/23 09:32	1
Zinc	1.92	J	2.0	1.5	mg/Kg		04/10/23 08:08	04/20/23 09:32	1

Lab Sample ID: LCS 180-431789/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	520		mg/Kg		104	80 - 120
Antimony	25.0	26.1		mg/Kg		104	80 - 120
Arsenic	100	107		mg/Kg		107	80 - 120
Barium	100	102		mg/Kg		102	80 - 120
Beryllium	50.0	51.5		mg/Kg		103	80 - 120
Cadmium	50.0	51.2		mg/Kg		102	80 - 120
Calcium	2500	2620		mg/Kg		105	80 - 120
Chromium	50.0	52.2		mg/Kg		104	80 - 120
Cobalt	50.0	51.6		mg/Kg		103	80 - 120
Copper	50.0	51.3		mg/Kg		103	80 - 120
Iron	500	536		mg/Kg		107	80 - 120
Lead	50.0	51.6		mg/Kg		103	80 - 120
Magnesium	2500	2640		mg/Kg		106	80 - 120
Manganese	50.0	50.5		mg/Kg		101	80 - 120
Nickel	50.0	51.5		mg/Kg		103	80 - 120
Potassium	2500	2590		mg/Kg		104	80 - 120
Selenium	100	104		mg/Kg		104	80 - 120
Silver	25.0	25.4		mg/Kg		101	80 - 120
Sodium	2500	2640		mg/Kg		106	80 - 120
Thallium	100	101		mg/Kg		101	80 - 120
Vanadium	50.0	52.6		mg/Kg		105	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431789/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	25.0	27.2		mg/Kg		109	80 - 120

Lab Sample ID: MB 180-431898/1-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Antimony	ND		1.0	0.30	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Arsenic	ND		1.0	0.63	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Barium	ND		20	3.6	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Beryllium	ND		0.40	0.11	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Cadmium	ND		0.50	0.073	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Calcium	ND		500	65	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Chromium	ND		0.50	0.46	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Cobalt	ND		5.0	0.70	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Copper	ND		2.5	1.5	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Iron	ND		10	9.7	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Lead	ND		1.0	0.87	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Magnesium	ND		500	55	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Manganese	ND		1.5	0.28	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Nickel	ND		4.0	0.50	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Potassium	229	J	500	85	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Selenium	ND		1.0	0.46	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Silver	ND		0.50	0.10	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Sodium	ND		500	51	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Thallium	ND		2.0	0.28	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Vanadium	ND		5.0	0.79	mg/Kg		04/11/23 07:26	04/20/23 17:52	1
Zinc	ND		2.0	1.5	mg/Kg		04/11/23 07:26	04/20/23 17:52	1

Lab Sample ID: LCS 180-431898/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	459		mg/Kg		92	80 - 120
Antimony	25.0	22.7		mg/Kg		91	80 - 120
Arsenic	100	96.0		mg/Kg		96	80 - 120
Barium	100	91.9		mg/Kg		92	80 - 120
Beryllium	50.0	45.8		mg/Kg		92	80 - 120
Cadmium	50.0	46.4		mg/Kg		93	80 - 120
Calcium	2500	2320		mg/Kg		93	80 - 120
Chromium	50.0	45.2		mg/Kg		90	80 - 120
Cobalt	50.0	44.9		mg/Kg		90	80 - 120
Copper	50.0	44.9		mg/Kg		90	80 - 120
Iron	500	475		mg/Kg		95	80 - 120
Lead	50.0	43.6		mg/Kg		87	80 - 120
Magnesium	2500	2390		mg/Kg		96	80 - 120
Manganese	50.0	44.2		mg/Kg		88	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-431898/2-A
Matrix: Solid
Analysis Batch: 432977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	50.0	44.4		mg/Kg		89	80 - 120
Potassium	2500	2350		mg/Kg		94	80 - 120
Selenium	100	90.3		mg/Kg		90	80 - 120
Silver	25.0	21.7		mg/Kg		87	80 - 120
Sodium	2500	2370		mg/Kg		95	80 - 120
Thallium	100	85.4		mg/Kg		85	80 - 120
Vanadium	50.0	44.5		mg/Kg		89	80 - 120
Zinc	25.0	24.7		mg/Kg		99	80 - 120

Lab Sample ID: MB 180-433295/1-A
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010	0.0030	mg/Kg		04/25/23 11:30	04/26/23 08:56	1

Lab Sample ID: LCS 180-433295/2-A
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.246		mg/Kg		98	80 - 120

Lab Sample ID: 180-154375-14 MS
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 433295

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1	24.6	12.7	F1	mg/Kg	☼	52	75 - 125

Lab Sample ID: 180-154375-14 MSD
Matrix: Solid
Analysis Batch: 433520

Client Sample ID: SSHS-IRM5A2-MSA-B72
Prep Type: Total/NA
Prep Batch: 433295

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	24.6	12.3	F1	mg/Kg	☼	50	75 - 125	4	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-432760/1-A
Matrix: Solid
Analysis Batch: 433207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/21/23 11:00	04/24/23 11:16	1

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-432760/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433207
Prep Batch: 432760

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.383		mg/Kg		92	80 - 120		

Lab Sample ID: 180-154375-14 MS
Client Sample ID: SSHS-IRM5A2-MSA-B72
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433207
Prep Batch: 432760

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.161	0.155		mg/Kg	☼	96	80 - 120		

Lab Sample ID: 180-154375-14 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B72
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433207
Prep Batch: 432760

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.169	0.157		mg/Kg	☼	93	80 - 120	2	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-154375-14 DU
Client Sample ID: SSHS-IRM5A2-MSA-B72
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 431139

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.0			5.5		%				7	10
Percent Solids	94.0			94.5		%				0.4	10

GC/MS VOA

Analysis Batch: 431516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	EPA 8260C	431630
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	EPA 8260C	431630
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	EPA 8260C	431630
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	EPA 8260C	431630
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	EPA 8260C	431630
MB 180-431516/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431516/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 431630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	5035	
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	5035	
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	5035	
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	5035	
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	5035	
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	5035	

Analysis Batch: 431668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	EPA 8260C	431723
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	EPA 8260C	431723
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	EPA 8260C	431723
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	EPA 8260C	431723
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	EPA 8260C	431723
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	EPA 8260C	431723
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	EPA 8260C	431723
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	EPA 8260C	431723
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	EPA 8260C	431723
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	EPA 8260C	431723
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	EPA 8260C	431723
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	EPA 8260C	431723
MB 180-431668/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431668/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-431668/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 431723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	5035	
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	5035	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	5035	
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	5035	
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	5035	
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	5035	
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	5035	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	5035	
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	5035	
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	5035	
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	5035	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	5035	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	5035	
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 431723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	5035	

Analysis Batch: 431744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	EPA 8260C	431630
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8260C	431723
MB 180-431744/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-431744/11	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8260C	431723
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8260C	431723

Analysis Batch: 432181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	EPA 8260C	432248
MB 180-432181/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-432181/18	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 432248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 431993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	3541	
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	3541	
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	3541	
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	3541	
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	3541	
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	3541	
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	3541	
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	3541	
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	3541	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	3541	
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	3541	
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	3541	
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	3541	
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3541	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	3541	
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	3541	
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	3541	
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	3541	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	3541	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	3541	
MB 180-431993/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-431993/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3541	
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3541	

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Analysis Batch: 432034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	EPA 8270D	431993
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	EPA 8270D	431993
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	EPA 8270D	431993
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	EPA 8270D	431993
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	EPA 8270D	431993
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	EPA 8270D	431993
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	EPA 8270D	431993
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	EPA 8270D	431993
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	EPA 8270D	431993
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	EPA 8270D	431993
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	EPA 8270D	431993
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	EPA 8270D	431993
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	EPA 8270D	431993
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8270D	431993
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	EPA 8270D	431993
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	EPA 8270D	431993
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	EPA 8270D	431993
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	EPA 8270D	431993
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	EPA 8270D	431993
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	EPA 8270D	431993
MB 180-431993/1-A	Method Blank	Total/NA	Solid	EPA 8270D	431993
LCS 180-431993/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	431993
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8270D	431993
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8270D	431993

GC Semi VOA

Prep Batch: 431106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	3541	
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	3541	
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	3541	
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	3541	
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	3541	
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	3541	
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	3541	
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	3541	
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	3541	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	3541	
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	3541	
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	3541	
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	3541	
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3541	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	3541	
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	3541	
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	3541	
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	3541	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	3541	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	3541	
MB 180-431106/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-431106/2-C	Lab Control Sample	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 431106 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3541	
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3541	

Cleanup Batch: 431202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	3665A	431106
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	3665A	431106
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	3665A	431106
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	3665A	431106
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	3665A	431106
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	3665A	431106
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	3665A	431106
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	3665A	431106
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	3665A	431106
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	3665A	431106
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	3665A	431106
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	3665A	431106
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	3665A	431106
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3665A	431106
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	3665A	431106
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	3665A	431106
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	3665A	431106
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	3665A	431106
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	3665A	431106
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	3665A	431106
MB 180-431106/1-C	Method Blank	Total/NA	Solid	3665A	431106
LCS 180-431106/2-C	Lab Control Sample	Total/NA	Solid	3665A	431106
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3665A	431106
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3665A	431106

Cleanup Batch: 431203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	3660B	431202
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	3660B	431202
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	3660B	431202
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	3660B	431202
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	3660B	431202
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	3660B	431202
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	3660B	431202
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	3660B	431202
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	3660B	431202
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	3660B	431202
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	3660B	431202
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	3660B	431202
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	3660B	431202
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3660B	431202
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	3660B	431202
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	3660B	431202
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	3660B	431202
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	3660B	431202
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	3660B	431202

GC Semi VOA (Continued)

Cleanup Batch: 431203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	3660B	431202
MB 180-431106/1-C	Method Blank	Total/NA	Solid	3660B	431202
LCS 180-431106/2-C	Lab Control Sample	Total/NA	Solid	3660B	431202
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3660B	431202
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3660B	431202

Analysis Batch: 431206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	EPA 8082A	431203
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	EPA 8082A	431203
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	EPA 8082A	431203
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	EPA 8082A	431203
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	EPA 8082A	431203
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	EPA 8082A	431203
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	EPA 8082A	431203
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	EPA 8082A	431203
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	EPA 8082A	431203
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	EPA 8082A	431203
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	EPA 8082A	431203
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	EPA 8082A	431203
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	EPA 8082A	431203
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8082A	431203
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	EPA 8082A	431203
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	EPA 8082A	431203
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	EPA 8082A	431203
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	EPA 8082A	431203
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	EPA 8082A	431203
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	EPA 8082A	431203
MB 180-431106/1-C	Method Blank	Total/NA	Solid	EPA 8082A	431203
LCS 180-431106/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	431203
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8082A	431203
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 8082A	431203

Metals

Prep Batch: 431272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3050B	
MB 180-431272/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431272/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3050B	
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3050B	

Prep Batch: 431789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	3050B	
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	3050B	
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	3050B	
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	3050B	
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	3050B	
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 431789 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	3050B	
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	3050B	
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	3050B	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	3050B	
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	3050B	
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	3050B	
MB 180-431789/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431789/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 431898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	3050B	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	3050B	
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	3050B	
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	3050B	
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	3050B	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	3050B	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	3050B	
MB 180-431898/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-431898/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 432570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 6010C	431272
MB 180-431272/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431272
LCS 180-431272/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431272
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 6010C	431272
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 6010C	431272

Prep Batch: 432760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	7471B	
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	7471B	
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	7471B	
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	7471B	
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	7471B	
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	7471B	
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	7471B	
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	7471B	
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	7471B	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	7471B	
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	7471B	
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	7471B	
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	7471B	
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	7471B	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	7471B	
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	7471B	
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	7471B	
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	7471B	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	7471B	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 432760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-432760/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-432760/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	7471B	
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	7471B	

Analysis Batch: 432977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	EPA 6010C	431789
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	EPA 6010C	431789
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	EPA 6010C	431789
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	EPA 6010C	431789
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	EPA 6010C	431789
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	EPA 6010C	431789
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	EPA 6010C	431789
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	EPA 6010C	431789
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	EPA 6010C	431789
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	EPA 6010C	431789
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	EPA 6010C	431789
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	EPA 6010C	431789
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	EPA 6010C	431789
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	EPA 6010C	431898
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	EPA 6010C	431898
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	EPA 6010C	431898
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	EPA 6010C	431898
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	EPA 6010C	431898
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	EPA 6010C	431898
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	EPA 6010C	431898
MB 180-431789/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431789
MB 180-431898/1-A	Method Blank	Total/NA	Solid	EPA 6010C	431898
LCS 180-431789/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431789
LCS 180-431898/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	431898

Analysis Batch: 433149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	EPA 6010C	431898

Analysis Batch: 433207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	EPA 7471B	432760
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	EPA 7471B	432760
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	EPA 7471B	432760
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	EPA 7471B	432760
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	EPA 7471B	432760
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	EPA 7471B	432760
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	EPA 7471B	432760
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	EPA 7471B	432760
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	EPA 7471B	432760
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	EPA 7471B	432760
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	EPA 7471B	432760
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	EPA 7471B	432760
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	EPA 7471B	432760

Metals (Continued)

Analysis Batch: 433207 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 7471B	432760
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	EPA 7471B	432760
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	EPA 7471B	432760
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	EPA 7471B	432760
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	EPA 7471B	432760
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	EPA 7471B	432760
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	EPA 7471B	432760
MB 180-432760/1-A	Method Blank	Total/NA	Solid	EPA 7471B	432760
LCS 180-432760/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	432760
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 7471B	432760
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 7471B	432760

Prep Batch: 433295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3050B	
MB 180-433295/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-433295/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3050B	
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	3050B	

Analysis Batch: 433520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 6010C	433295
MB 180-433295/1-A	Method Blank	Total/NA	Solid	EPA 6010C	433295
LCS 180-433295/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	433295
180-154375-14 MS	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 6010C	433295
180-154375-14 MSD	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	EPA 6010C	433295

General Chemistry

Analysis Batch: 431138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-1	SSHS-IRM5A2-MSA-B60	Total/NA	Solid	2540G	
180-154375-2	SSHS-IRM5A2-MSA-B61	Total/NA	Solid	2540G	
180-154375-3	SSHS-IRM5A2-MSA-B62	Total/NA	Solid	2540G	
180-154375-4	SSHS-IRM5A2-MSA-B63	Total/NA	Solid	2540G	
180-154375-5	SSHS-IRM5A2-MSA-B64	Total/NA	Solid	2540G	
180-154375-6	SSHS-IRM5A2-MSA-B65	Total/NA	Solid	2540G	
180-154375-7	SSHS-IRM5A2-MSA-B66	Total/NA	Solid	2540G	
180-154375-8	SSHS-IRM5A2-MSA-B67	Total/NA	Solid	2540G	
180-154375-9	SSHS-IRM5A2-DUP293	Total/NA	Solid	2540G	
180-154375-10	SSHS-IRM5A2-MSA-B68	Total/NA	Solid	2540G	
180-154375-11	SSHS-IRM5A2-MSA-B69	Total/NA	Solid	2540G	
180-154375-12	SSHS-IRM5A2-MSA-B70	Total/NA	Solid	2540G	
180-154375-13	SSHS-IRM5A2-MSA-B71	Total/NA	Solid	2540G	

Analysis Batch: 431139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-14	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	2540G	
180-154375-15	SSHS-IRM5A2-MSA-B73	Total/NA	Solid	2540G	
180-154375-16	SSHS-IRM5A2-MSA-B74	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 431139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154375-17	SSHS-IRM5A2-MSA-B75	Total/NA	Solid	2540G	
180-154375-18	SSHS-IRM5A2-MSA-B76	Total/NA	Solid	2540G	
180-154375-19	SSHS-IRM5A2-MSA-B77	Total/NA	Solid	2540G	
180-154375-20	SSHS-IRM5A2-DUP294	Total/NA	Solid	2540G	
180-154375-14 DU	SSHS-IRM5A2-MSA-B72	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-2)

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B60	3/30/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B61	3/30/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B62	3/30/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B63	3/30/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B64	3/30/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B65	3/30/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B66	3/30/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B67	3/30/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP293	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B68	3/30/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B69	3/30/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B70	3/30/23	1520	G	S	N	N	X	X	X	X			6	

180-154375 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/30/23 1700	Company: Geosyntec		3/31/23 9:18	EDITME
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins | Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): Standard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			Other:
Phone: 40-381-4333	PO #: MN0832I		
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B71	3/30/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B72	3/30/23	1530	G	S	N	Y	X	X	X	X			12	
SSHS-IRM5A2-MSA-B73	3/30/23	1535	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B74	3/30/23	1540	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B75	3/30/23	1545	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B76	3/30/23	1550	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B77	3/30/23	1555	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-DUP294	3/30/23	–	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	3/30/23 1700	Company: Geosyntec		3/31/23 9:18	EPMVE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

4/20/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-2)

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-154375 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
- Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteloil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B60	3/30/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B61	3/30/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B62	3/30/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B63	3/30/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B64	3/30/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B65	3/30/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B66	3/30/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B67	3/30/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP293	3/30/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B68	3/30/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-MSA-B69	3/30/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-MSA-B70	3/30/23	1520	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/30/23 1700	Company: Geosyntec	Received by: Date/Time: 3/31/23 930 Company: LBT Gca
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.9

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation (COC-1)

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B71	3/30/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B72	3/30/23	1530	G	S	N	Y	X	X	X	X										12	
SSHS-IRM5A2-MSA-B73	3/30/23	1535	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-MSA-B74	3/30/23	1540	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B75	3/30/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B76	3/30/23	1550	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B77	3/30/23	1555	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-DUP294	3/30/23	--	G	S	N	N	X	X	X	X	X	X								8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Ostrem	3/30/23/1700	Geosyntec		3-31-23 09:30	EETSAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.9

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154375 Field Sheet

Job: _____

Tracking # : 7716 5676 3051

SO / ~~FO~~ / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice ~ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: _____

Temp Observed: 4.9 °C Corrected: 4.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 3/31/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 3-31-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: NC Date: 3-31-23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154375-1

Login Number: 154375
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 5/20/2023 7:59:06 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-155142-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
5/20/2023 7:59:06 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-155142-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-155142-1

Receipt
The samples were received on 4/15/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.3º C, 4.8º C and 4.9º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 was above the control limits for the following sample: SSHS-IRM5A2-DUP296 (180-155142-7). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B35 (180-155142-3) had several recoveries below the control limits. The RPDs between the spikes was also above the control limits for Bromomethane. The recoveries of the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-433165 was above the control limits for the following analyte: Bromomethane. The recoveries were within the control limits.

Method 8260C: The laboratory control sample (LCS) for batch 180-433166 recovered above the control limits for the following analyte: Methylene Chloride. The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) was also above the control limits for Methylene Chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 180-433277 recovered below the control limits for the following analytes: Vinyl chloride, Chloromethane, Chloroethane, and Bromomethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analytes had they been present. Since the affected target analytes were not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-433277 was above the control limits for the following analyte: Dichlorodifluoromethane. The recoveries were within the control limits.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-433694 recovered below the control limits for the following analyte: trans-1,2-Dichloroethene. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported. The recovery in the laboratory control sample (LCS) was within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433165 was above criteria for the following analyte: Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433165 was below criteria for the following analytes: 2-Butanone (MEK), 2-Hexanone, and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433166 was below criteria for the following analytes: Tetrachloroethene, 2-Butanone, 1,1,2-Trichloro-1,2,2-trifluoroethane, Cyclohexane, Vinyl chloride and 1,1,1-Trichloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433166 was above criteria for the following analytes:

Job ID: 180-155142-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Methylene Chloride and 1,4-Dioxane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433277 was below criteria for the following analytes: Vinyl chloride, Dichlorodifluoromethane, and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433277 was above criteria for the following analytes: Acetone and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433384 was below criteria for the following analytes: Bromomethane and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433384 was above criteria for the following analytes: 1,1,2,2-Tetrachloroethane and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433694 was below criteria for the following analytes: Trichlorofluoromethane, Carbon disulfide, Carbon tetrachloride, Cyclohexane, Dichlorodifluoromethane, Methylene Chloride, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, trans-1,2-Dichloroethene, and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433694 was above criteria for the following analyte: Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Sample SSHS-IRM5A2-HR-B36 (180-155142-4) had the recoveries of surrogate tetrachloro-m-xylene below the control limits on both columns. The recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-433079 (CCVIS 180-433079/47) was below criteria for surrogate decachlorobiphenyl on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-433079 (CCVIS 180-433079/47) was below criteria for aroclor 1260 on both columns. A reporting limit (RL) standard was analyzed, and aroclor 1260 was detected. Since the associated samples did not have aroclor 1260 detected, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following samples were diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-HR-B35 (180-155142-3) and its matrix spikes. Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, and thallium were also reported from dilution due to inter-element corrections associated with iron.

Method 6010C: The method blank for preparation batch 180-432886 contained zinc above the reporting limit (RL). As the associated

Job ID: 180-155142-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

sample contained zinc at a concentration greater than ten-times that of the method blank, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B35 (180-155142-3) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B33 (180-155142-1) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155142-1	SSHS-IRM5A2-HR-B33	Solid	04/14/23 15:00	04/15/23 09:17
180-155142-2	SSHS-IRM5A2-HR-B34	Solid	04/14/23 15:05	04/15/23 09:17
180-155142-3	SSHS-IRM5A2-HR-B35	Solid	04/14/23 15:10	04/15/23 09:17
180-155142-4	SSHS-IRM5A2-HR-B36	Solid	04/14/23 15:15	04/15/23 09:17
180-155142-5	SSHS-IRM5A2-HR-B37	Solid	04/14/23 15:20	04/15/23 09:17
180-155142-6	SSHS-IRM5A2-HR-B38	Solid	04/14/23 15:25	04/15/23 09:17
180-155142-7	SSHS-IRM5A2-DUP296	Solid	04/14/23 00:00	04/15/23 09:17
180-155142-8	SSHS-IRM5A2-HR-B39	Solid	04/14/23 15:30	04/15/23 09:17
180-155142-9	SSHS-IRM5A2-HR-B40	Solid	04/14/23 15:35	04/15/23 09:17
180-155142-10	SSHS-IRM5A2-HR-B41	Solid	04/14/23 15:40	04/15/23 09:17
180-155142-11	SSHS-IRM5A2-HR-B42	Solid	04/14/23 15:45	04/15/23 09:17
180-155142-12	SSHS-IRM5A2-HR-B43	Solid	04/14/23 15:50	04/15/23 09:17
180-155142-13	SSHS-IRM5A2-HR-B44	Solid	04/14/23 15:55	04/15/23 09:17
180-155142-14	SSHS-IRM5A2-HR-B45	Solid	04/14/23 16:00	04/15/23 09:17
180-155142-15	SSHS-IRM5A2-DUP297	Solid	04/14/23 00:00	04/15/23 09:17

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1126 g	5 mL	433321	04/25/23 07:33	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433277	04/25/23 19:21	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 11:46	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 23:26	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.50 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 11:24	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 16:34	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:51	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2
Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2
Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2236 g	5 mL	433475	04/26/23 06:47	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433384	04/26/23 19:23	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2
Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 12:08	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 00:23	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.52 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 11:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.73 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 16:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:52	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3
Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3
Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0064 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 15:29	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 10:41	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 22:30	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.69 g	50 mL	432886	04/20/23 10:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433957	05/01/23 19:30	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3
Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.69 g	50 mL	432886	04/20/23 10:11	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			434075	05/02/23 17:26	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:48	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4
Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4
Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0025 g	5 mL	433321	04/25/23 07:33	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433277	04/25/23 16:41	C1K	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 12:30	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 00:42	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 11:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:53	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5
Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5
Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0056 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 13:00	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.3 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 12:52	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 01:01	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.54 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 11:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:54	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2908 g	5 mL	433340	04/25/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433694	04/28/23 17:45	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 13:14	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 01:20	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:13	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:55	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0605 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 21:24	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.4 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 13:36	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 01:39	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.51 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:18	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.60 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:28	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:00	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B39
Lab Sample ID: 180-155142-8
Date Collected: 04/14/23 15:30
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B39
Lab Sample ID: 180-155142-8
Date Collected: 04/14/23 15:30
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 20:56	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.5 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 13:58	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 01:57	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.52 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.71 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:33	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:01	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B40
Lab Sample ID: 180-155142-9
Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B40
Lab Sample ID: 180-155142-9
Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1176 g	5 mL	433340	04/25/23 07:37	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433694	04/28/23 17:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 14:20	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 02:16	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.59 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:28	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.57 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:38	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:02	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10
Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10
Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2265 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 18:54	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10
Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433414	04/26/23 20:08	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 02:35	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.54 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:33	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.56 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:43	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11
Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11
Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3065 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 18:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433414	04/26/23 20:29	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 02:54	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.56 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:38	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11
Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.77 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B43
Lab Sample ID: 180-155142-12
Date Collected: 04/14/23 15:50
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B43
Lab Sample ID: 180-155142-12
Date Collected: 04/14/23 15:50
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2246 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 18:08	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 15:26	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 03:13	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:43	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.54 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:52	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:05	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3046 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 17:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433414	04/26/23 20:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 03:32	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.72 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 17:57	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:06	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14
Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14
Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0607 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 17:23	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14
Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 16:10	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 03:51	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.59 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 18:02	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432445	04/15/23 17:26	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1165 g	5 mL	433218	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433165	04/24/23 17:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	433184	04/24/23 10:04	AAS	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433263	04/25/23 16:32	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432885	04/20/23 10:07	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432959	04/21/23 04:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432961	04/21/23 04:23	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/23/23 04:10	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	434104	05/05/23 07:30	RSR	EET PIT
Total/NA	Analysis	EPA 6010C		1			434854	05/10/23 12:58	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15

Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.65 g	50 mL	434986	05/12/23 06:33	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 18:07	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433820	05/01/23 09:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 14:08	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- AAS = Arianna Swick
- JBP = Jack Prothero
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- RSR = Roseann Ruyechan
- S1Z = Sage Ziviello

Batch Type: Analysis
- C1K = Chamaiporn Krisorn
- CMR = Carl Reagle
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- RJG = Rob Good
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	J	20	4.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Bromomethane	ND	*-	5.1	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Chloroethane	ND	*-	5.1	3.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Chloromethane	ND	*-	5.1	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Dichlorodifluoromethane	ND	*1	5.1	2.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Vinyl chloride	ND	*-	5.1	3.6	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/25/23 07:33	04/25/23 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*04/25/23 07:33*	*04/25/23 19:21*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*04/25/23 07:33*	*04/25/23 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*04/25/23 07:33*	*04/25/23 19:21*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*04/25/23 07:33*	*04/25/23 19:21*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Acetophenone	ND		690	120	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Anthracene	ND		69	18	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Atrazine	ND		690	150	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Benzaldehyde	ND		690	43	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Caprolactam	ND		1800	220	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Carbazole	ND		69	16	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Chrysene	ND		69	38	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Fluorene	ND		69	14	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Isophorone	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Naphthalene	ND		69	13	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Phenanthrene	ND		69	19	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Phenol	ND		340	100	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
Pyrene	ND		69	16	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*04/24/23 10:04*	*04/25/23 11:46*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/24/23 10:04*	*04/25/23 11:46*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*04/24/23 10:04*	*04/25/23 11:46*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*04/24/23 10:04*	*04/25/23 11:46*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*04/24/23 10:04*	*04/25/23 11:46*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*04/24/23 10:04*	*04/25/23 11:46*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1

Client Sample ID: SSHS-IRM5A2-HR-B33
Lab Sample ID: 180-155142-1
Date Collected: 04/14/23 15:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 96.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/22/23 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/20/23 10:07*	*04/22/23 23:26*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/20/23 10:07*	*04/22/23 23:26*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*04/20/23 10:07*	*04/22/23 23:26*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*04/20/23 10:07*	*04/22/23 23:26*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		21	5.2	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Antimony	**0.74**	**J F1**	0.84	0.25	mg/Kg	☼	05/12/23 06:33	05/15/23 16:34	1
Arsenic	**11**	**F2 F1**	1.0	0.65	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Barium	**73**		21	3.7	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Beryllium	**0.41**		0.41	0.11	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Cadmium	**0.65**		0.52	0.076	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Calcium	**3700**	**F2 F1**	520	67	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Chromium	**13**		0.52	0.47	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Cobalt	**10**		5.2	0.73	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Copper	**25**		2.6	1.6	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Iron	**24000**		10	10	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Lead	**21**		1.0	0.90	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Magnesium	**3400**		520	57	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Manganese	**550**	**F2**	1.6	0.29	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Nickel	**22**		4.1	0.52	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Potassium	**680**		520	88	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Selenium	ND	F2	1.0	0.48	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Silver	ND		0.42	0.087	mg/Kg	☼	05/12/23 06:33	05/15/23 16:34	1
Sodium	ND		520	53	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Thallium	ND		2.1	0.29	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Vanadium	**14**		5.2	0.82	mg/Kg	☼	05/05/23 07:30	05/10/23 11:24	1
Zinc	**66**		1.7	1.2	mg/Kg	☼	05/12/23 06:33	05/15/23 16:34	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	05/01/23 09:15	05/02/23 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.5**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**96.5**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2
Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2
Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.9	2.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
cis-1,3-Dichloropropene	ND		4.9	2.1	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2

Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/26/23 06:47	04/26/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*04/26/23 06:47*	*04/26/23 19:23*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*04/26/23 06:47*	*04/26/23 19:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*04/26/23 06:47*	*04/26/23 19:23*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/26/23 06:47*	*04/26/23 19:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Benzo[a]pyrene	ND		66	28	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
1,1'-Biphenyl	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Bis(2-chloroethoxy)methane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Bis(2-ethylhexyl) phthalate	ND		3200	350	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4-Bromophenyl phenyl ether	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Butyl benzyl phthalate	ND		320	220	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4-Chloroaniline	ND		320	86	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4-Chloro-3-methylphenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2-Chlorophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4-Chlorophenyl phenyl ether	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Chrysene	ND		66	36	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Dibenzofuran	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
3,3'-Dichlorobenzidine	ND		320	310	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Diethyl phthalate	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,4-Dimethylphenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Dimethyl phthalate	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Di-n-butyl phthalate	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4,6-Dinitro-2-methylphenol	ND		1700	560	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,4-Dinitrophenol	ND		3200	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,4-Dinitrotoluene	ND		320	200	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,6-Dinitrotoluene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Di-n-octyl phthalate	ND		320	190	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2
Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Hexachlorobenzene	ND		66	23	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Hexachlorocyclopentadiene	ND		320	33	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Hexachloroethane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Isophorone	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2-Methylphenol	ND		320	94	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Methylphenol, 3 & 4	ND		320	96	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
3-Nitroaniline	ND		1700	83	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2-Nitrophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
N-Nitrosodiphenylamine	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Phenol	ND		320	99	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
Pyrene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
1,2,4,5-Tetrachlorobenzene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,3,4,6-Tetrachlorophenol	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,4,5-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1
2,4,6-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/24/23 10:04*	*04/25/23 12:08*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*04/24/23 10:04*	*04/25/23 12:08*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*04/24/23 10:04*	*04/25/23 12:08*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*04/24/23 10:04*	*04/25/23 12:08*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*04/24/23 10:04*	*04/25/23 12:08*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/24/23 10:04*	*04/25/23 12:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 00:23	1

Client Sample ID: SSHS-IRM5A2-HR-B34
Lab Sample ID: 180-155142-2

Date Collected: 04/14/23 15:05
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/20/23 10:07*	*04/23/23 00:23*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/20/23 10:07*	*04/23/23 00:23*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*04/20/23 10:07*	*04/23/23 00:23*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*04/20/23 10:07*	*04/23/23 00:23*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		19	4.9	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Antimony	**0.89**		0.69	0.21	mg/Kg	☼	05/12/23 06:33	05/15/23 16:58	1
Arsenic	**9.9**		0.97	0.61	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Barium	**93**		19	3.5	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Beryllium	**0.51**		0.39	0.11	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Cadmium	**0.73**		0.49	0.072	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Calcium	**8200**		490	63	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Chromium	**15**		0.49	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Cobalt	**13**		4.9	0.69	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Copper	**24**		2.4	1.5	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Iron	**27000**		9.7	9.5	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Lead	**15**		0.97	0.85	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Magnesium	**4000**		490	54	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Manganese	**570**		1.5	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Nickel	**26**		3.9	0.49	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Potassium	**810**		490	83	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Selenium	ND		0.97	0.45	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Silver	ND		0.35	0.072	mg/Kg	☼	05/12/23 06:33	05/15/23 16:58	1
Sodium	**67**	**J**	490	50	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Thallium	ND		1.9	0.28	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Vanadium	**16**		4.9	0.77	mg/Kg	☼	05/05/23 07:30	05/10/23 11:48	1
Zinc	**67**		1.4	1.0	mg/Kg	☼	05/12/23 06:33	05/15/23 16:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.4**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**98.6**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3

Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Benzene	ND	F1	5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Bromomethane	ND	*1 F2	5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3
Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	F1	5.1	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
cis-1,2-Dichloroethene	ND	F1	5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Cyclohexane	ND	F1	5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,1-Dichloroethane	ND	F1	5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2-Dichloroethene, Total	ND	F1	10	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Methylcyclohexane	ND	F1	5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Methylene Chloride	ND	F1	5.1	4.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
trans-1,2-Dichloroethene	ND	F1	5.1	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,1,1-Trichloroethane	ND	F1	5.1	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/24/23 07:35	04/24/23 15:29	1

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3

Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/24/23 07:35*	*04/24/23 15:29*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*04/24/23 07:35*	*04/24/23 15:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*04/24/23 07:35*	*04/24/23 15:29*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*04/24/23 07:35*	*04/24/23 15:29*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Acenaphthylene	ND		67	14	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Acetophenone	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Anthracene	ND		67	17	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Atrazine	ND		670	140	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Benzaldehyde	ND		670	41	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Carbazole	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4-Chloroaniline	ND		330	87	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Chrysene	ND		67	37	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Dibenz(a,h)anthracene	ND		67	42	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Di-n-butyl phthalate	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Fluoranthene	ND		67	17	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Fluorene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Hexachlorobutadiene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3

Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Isophorone	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2-Methylphenol	ND		330	95	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Methylphenol, 3 & 4	ND		330	97	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Naphthalene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
3-Nitroaniline	ND		1700	84	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
N-Nitrosodi-n-propylamine	ND		67	22	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
Pyrene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/24/23 10:04*	*04/25/23 10:41*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*04/24/23 10:04*	*04/25/23 10:41*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*04/24/23 10:04*	*04/25/23 10:41*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*04/24/23 10:04*	*04/25/23 10:41*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*04/24/23 10:04*	*04/25/23 10:41*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*04/24/23 10:04*	*04/25/23 10:41*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/22/23 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/20/23 10:07*	*04/22/23 22:30*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*04/20/23 10:07*	*04/22/23 22:30*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*04/20/23 10:07*	*04/22/23 22:30*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B35
Lab Sample ID: 180-155142-3
Date Collected: 04/14/23 15:10
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*04/20/23 10:07*	*04/22/23 22:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		15	3.7	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Antimony	**0.24**	**J F2 F1**	0.73	0.22	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Arsenic	**12**	**F2**	3.7	2.3	mg/Kg	☼	04/20/23 10:11	05/02/23 17:26	5
Barium	**71**	**F2**	15	2.6	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Beryllium	**0.47**	**F2**	0.29	0.080	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Cadmium	**0.37**	**J F2**	1.8	0.27	mg/Kg	☼	04/20/23 10:11	05/02/23 17:26	5
Calcium	**6800**	**F2**	370	47	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Chromium	**12**	**F2 F1**	0.37	0.33	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Cobalt	**11**	**F2**	3.7	0.52	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Copper	**40**	**F2 F1**	1.8	1.1	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Iron	**29000**		37	36	mg/Kg	☼	04/20/23 10:11	05/02/23 17:26	5
Lead	**13**		3.7	3.2	mg/Kg	☼	04/20/23 10:11	05/02/23 17:26	5
Magnesium	**3200**	**F1**	370	40	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Manganese	**470**	**F2**	1.1	0.20	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Nickel	**25**	**F2**	2.9	0.37	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Potassium	**480**		370	62	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Selenium	ND	F2	0.73	0.34	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Silver	ND	F2	0.37	0.076	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Sodium	**42**	**J F2**	370	38	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Thallium	ND	F2	7.3	1.0	mg/Kg	☼	04/20/23 10:11	05/02/23 17:26	5
Vanadium	**13**	**F2**	3.7	0.58	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1
Zinc	**54**	**B**	1.5	1.1	mg/Kg	☼	04/20/23 10:11	05/01/23 19:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	05/01/23 09:15	05/02/23 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.2**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**98.8**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4
Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Bromomethane	ND	*-	5.0	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
2-Butanone (MEK)	ND		5.0	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4
Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Chloroethane	ND	*-	5.0	2.9	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Chloromethane	ND	*-	5.0	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Dichlorodifluoromethane	ND	*1	5.0	2.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Toluene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Vinyl chloride	ND	*-	5.0	3.6	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/25/23 07:33	04/25/23 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/25/23 07:33*	*04/25/23 16:41*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/25/23 07:33*	*04/25/23 16:41*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4
Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*04/25/23 07:33*	*04/25/23 16:41*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*04/25/23 07:33*	*04/25/23 16:41*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Benzo[a]pyrene	ND		66	29	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4-Chloroaniline	ND		330	86	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Chrysene	ND		66	37	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Di-n-butyl phthalate	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,4-Dinitrophenol	ND		3300	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Hexachlorobenzene	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4
Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Isophorone	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2-Methylphenol	ND		330	95	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Methylphenol, 3 & 4	ND		330	97	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
3-Nitroaniline	ND		1700	84	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
Pyrene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,4,5-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/24/23 10:04*	*04/25/23 12:30*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/24/23 10:04*	*04/25/23 12:30*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*04/24/23 10:04*	*04/25/23 12:30*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*04/24/23 10:04*	*04/25/23 12:30*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/24/23 10:04*	*04/25/23 12:30*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*04/24/23 10:04*	*04/25/23 12:30*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1242	ND		17	2.4	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1260	ND		17	4.7	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1
PCB-1268	ND		17	2.2	ug/Kg	☼	04/20/23 10:07	04/23/23 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*04/20/23 10:07*	*04/23/23 00:42*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*04/20/23 10:07*	*04/23/23 00:42*	*1*
Tetrachloro-m-xylene (Surr)	*51*	*S1-*	*55 - 135*	*04/20/23 10:07*	*04/23/23 00:42*	*1*
Tetrachloro-m-xylene (Surr)	*49*	*S1-*	*55 - 135*	*04/20/23 10:07*	*04/23/23 00:42*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B36
Lab Sample ID: 180-155142-4

Date Collected: 04/14/23 15:15
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.2

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		19	4.7	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Antimony	0.79	J	0.92	0.28	mg/Kg	☼	05/12/23 06:33	05/15/23 17:03	1
Arsenic	18		0.95	0.60	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Barium	100		19	3.4	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Beryllium	0.48		0.38	0.10	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Cadmium	0.74		0.48	0.070	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Calcium	8500		480	61	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Chromium	15		0.48	0.43	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Cobalt	18		4.8	0.67	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Copper	24		2.4	1.4	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Iron	28000		9.5	9.3	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Lead	13		0.95	0.83	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Magnesium	4000		480	52	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Manganese	550		1.4	0.26	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Nickel	26		3.8	0.48	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Potassium	880		480	81	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Selenium	ND		0.95	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Silver	ND		0.46	0.095	mg/Kg	☼	05/12/23 06:33	05/15/23 17:03	1
Sodium	52	J	480	49	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Thallium	ND		1.9	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Vanadium	17		4.8	0.75	mg/Kg	☼	05/05/23 07:30	05/10/23 11:53	1
Zinc	73		1.8	1.3	mg/Kg	☼	05/12/23 06:33	05/15/23 17:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 13:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	0.8		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	99.2		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5

Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5
Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Methylene Chloride	ND	*+ *1	5.1	4.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/24/23 07:35	04/24/23 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*04/24/23 07:35*	*04/24/23 13:00*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*04/24/23 07:35*	*04/24/23 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*04/24/23 07:35*	*04/24/23 13:00*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/24/23 07:35*	*04/24/23 13:00*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5

Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Acetophenone	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Anthracene	ND		67	17	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Atrazine	ND		670	150	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Benzaldehyde	ND		670	41	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Carbazole	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Chrysene	ND		67	37	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Fluorene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Isophorone	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1

Client Sample ID: SSHS-IRM5A2-HR-B37
Lab Sample ID: 180-155142-5

Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Naphthalene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
Pyrene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/24/23 10:04*	*04/25/23 12:52*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*04/24/23 10:04*	*04/25/23 12:52*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*04/24/23 10:04*	*04/25/23 12:52*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/24/23 10:04*	*04/25/23 12:52*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/24/23 10:04*	*04/25/23 12:52*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/24/23 10:04*	*04/25/23 12:52*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:01*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:01*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:01*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		19	4.7	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Antimony	**0.95**		0.82	0.25	mg/Kg	☼	05/12/23 06:33	05/15/23 17:08	1

Client Sample ID: SSHS-IRM5A2-HR-B37

Lab Sample ID: 180-155142-5
Date Collected: 04/14/23 15:20
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.6		0.95	0.59	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Barium	77		19	3.4	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Beryllium	0.42		0.38	0.10	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Cadmium	0.67		0.47	0.069	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Calcium	7500		470	61	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Chromium	14		0.47	0.43	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Cobalt	11		4.7	0.67	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Copper	18		2.4	1.4	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Iron	26000		9.5	9.2	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Lead	16		0.95	0.82	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Magnesium	3700		470	52	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Manganese	470		1.4	0.26	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Nickel	23		3.8	0.48	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Potassium	860		470	81	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Selenium	ND		0.95	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Silver	ND		0.41	0.086	mg/Kg	☼	05/12/23 06:33	05/15/23 17:08	1
Sodium	ND		470	48	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Thallium	ND		1.9	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Vanadium	16		4.7	0.75	mg/Kg	☼	05/05/23 07:30	05/10/23 11:58	1
Zinc	65		1.6	1.2	mg/Kg	☼	05/12/23 06:33	05/15/23 17:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.2		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	97.8		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B38

Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Benzene	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
2-Butanone (MEK)	ND		4.8	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Chloroform	ND		4.8	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,4-Dioxane	ND		960	34	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
2-Hexanone	ND		4.8	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Styrene	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Toluene	ND		4.8	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
trans-1,2-Dichloroethene	ND	*-	4.8	1.7	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2,3-Trichlorobenzene	ND		4.8	2.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/25/23 07:37*	*04/28/23 17:45*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*04/25/23 07:37*	*04/28/23 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*04/25/23 07:37*	*04/28/23 17:45*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/25/23 07:37*	*04/28/23 17:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Benzo[a]pyrene	ND		66	29	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4-Chloroaniline	ND		330	86	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Chrysene	ND		66	37	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Di-n-butyl phthalate	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,4-Dinitrophenol	ND		3300	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Hexachlorobenzene	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Isophorone	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2-Methylphenol	ND		330	94	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Methylphenol, 3 & 4	ND		330	97	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6
Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
3-Nitroaniline	ND		1700	84	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
Pyrene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,4,5-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*04/24/23 10:04*	*04/25/23 13:14*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/24/23 10:04*	*04/25/23 13:14*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*04/24/23 10:04*	*04/25/23 13:14*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/24/23 10:04*	*04/25/23 13:14*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*04/24/23 10:04*	*04/25/23 13:14*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*04/24/23 10:04*	*04/25/23 13:14*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:20*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:20*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:20*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		16	4.0	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Antimony	**0.74**	**J**	0.76	0.23	mg/Kg	☼	05/12/23 06:33	05/15/23 17:23	1
Arsenic	**11**		0.81	0.50	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1

Client Sample ID: SSHS-IRM5A2-HR-B38
Lab Sample ID: 180-155142-6

Date Collected: 04/14/23 15:25
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**82**		16	2.9	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Beryllium	**0.50**		0.32	0.088	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Cadmium	**0.70**		0.40	0.059	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Calcium	**17000**		400	52	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Chromium	**14**		0.40	0.37	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Cobalt	**12**		4.0	0.57	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Copper	**21**		2.0	1.2	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Iron	**27000**		8.1	7.8	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Lead	**19**		0.81	0.70	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Magnesium	**3700**		400	44	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Manganese	**600**		1.2	0.22	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Nickel	**25**		3.2	0.41	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Potassium	**970**		400	69	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Selenium	ND		0.81	0.37	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Silver	ND		0.38	0.079	mg/Kg	☼	05/12/23 06:33	05/15/23 17:23	1
Sodium	**66**	**J**	400	41	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Thallium	ND		1.6	0.23	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Vanadium	**17**		4.0	0.64	mg/Kg	☼	05/05/23 07:30	05/10/23 12:13	1
Zinc	**68**		1.5	1.1	mg/Kg	☼	05/12/23 06:33	05/15/23 17:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	05/01/23 09:15	05/02/23 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.4**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**98.6**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7

Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Methylene Chloride	ND	*+ *1	5.0	4.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/24/23 07:35	04/24/23 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*04/24/23 07:35*	*04/24/23 21:24*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*04/24/23 07:35*	*04/24/23 21:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*	*S1+*	*73 - 135*	*04/24/23 07:35*	*04/24/23 21:24*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/24/23 07:35*	*04/24/23 21:24*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Benzo[a]pyrene	ND		66	29	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4-Chloroaniline	ND		330	86	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Chrysene	ND		66	37	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Di-n-butyl phthalate	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,4-Dinitrophenol	ND		3300	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Hexachlorobenzene	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Isophorone	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2-Methylphenol	ND		330	94	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Methylphenol, 3 & 4	ND		330	97	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1

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Lab Sample ID: 180-155142-7

Date Collected: 04/14/23 00:00
Matrix: Solid

Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
3-Nitroaniline	ND		1700	84	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
Pyrene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,4,5-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/24/23 10:04*	*04/25/23 13:36*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*04/24/23 10:04*	*04/25/23 13:36*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*04/24/23 10:04*	*04/25/23 13:36*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/24/23 10:04*	*04/25/23 13:36*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*04/24/23 10:04*	*04/25/23 13:36*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/24/23 10:04*	*04/25/23 13:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:39*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:39*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:39*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		20	5.0	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Antimony	**0.76**	**J**	0.84	0.26	mg/Kg	☼	05/12/23 06:33	05/15/23 17:28	1
Arsenic	**9.9**		0.99	0.62	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Barium	**89**		20	3.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1

Client Sample ID: SSHS-IRM5A2-DUP296
Lab Sample ID: 180-155142-7

Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.49**		0.40	0.11	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Cadmium	**0.74**		0.50	0.073	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Calcium	**4500**		500	64	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Chromium	**15**		0.50	0.45	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Cobalt	**12**		5.0	0.70	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Copper	**29**		2.5	1.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Iron	**28000**		9.9	9.7	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Lead	**14**		0.99	0.87	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Magnesium	**4100**		500	55	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Manganese	**510**		1.5	0.28	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Nickel	**27**		4.0	0.50	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Potassium	**790**		500	85	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Selenium	ND		0.99	0.46	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Silver	ND		0.42	0.088	mg/Kg	☼	05/12/23 06:33	05/15/23 17:28	1
Sodium	**62**	**J**	500	51	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Thallium	ND		2.0	0.28	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Vanadium	**17**		5.0	0.79	mg/Kg	☼	05/05/23 07:30	05/10/23 12:18	1
Zinc	**65**		1.7	1.2	mg/Kg	☼	05/12/23 06:33	05/15/23 17:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.4**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**98.6**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B39
Lab Sample ID: 180-155142-8

Date Collected: 04/14/23 15:30
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**15**	**J**	19	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Benzene	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Bromomethane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
2-Butanone (MEK)	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Chlorodibromomethane	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Chloroethane	ND		4.7	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Cyclohexane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1

Client Sample ID: SSHS-IRM5A2-HR-B39
Lab Sample ID: 180-155142-8

Date Collected: 04/14/23 15:30
Matrix: Solid

Date Received: 04/15/23 09:17
Percent Solids: 98.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.7	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Dichlorodifluoromethane	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2-Dichloropropane	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,4-Dioxane	ND		950	34	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Ethylbenzene	ND		4.7	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
2-Hexanone	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Isopropylbenzene	ND		4.7	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Methylene Chloride	ND	*+ *1	4.7	4.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Styrene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Toluene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
trans-1,2-Dichloroethene	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,1,2-Trichloroethane	ND		4.7	0.94	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1
Xylenes, Total	ND		9.5	6.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/24/23 07:35*	*04/24/23 20:56*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/24/23 07:35*	*04/24/23 20:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*	*04/24/23 07:35*	*04/24/23 20:56*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*04/24/23 07:35*	*04/24/23 20:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B39
Lab Sample ID: 180-155142-8
Date Collected: 04/14/23 15:30
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Benzo[a]anthracene	ND		66	29	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Benzo[a]pyrene	ND		66	28	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
1,1'-Biphenyl	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Bis(2-chloroethoxy)methane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Bis(2-ethylhexyl) phthalate	ND		3200	350	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4-Bromophenyl phenyl ether	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Butyl benzyl phthalate	ND		320	220	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4-Chloroaniline	ND		320	86	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4-Chloro-3-methylphenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2-Chlorophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4-Chlorophenyl phenyl ether	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Chrysene	ND		66	36	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Dibenzofuran	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
3,3'-Dichlorobenzidine	ND		320	300	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Diethyl phthalate	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,4-Dimethylphenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Dimethyl phthalate	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Di-n-butyl phthalate	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4,6-Dinitro-2-methylphenol	ND		1700	560	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,4-Dinitrophenol	ND		3200	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,4-Dinitrotoluene	ND		320	190	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,6-Dinitrotoluene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Di-n-octyl phthalate	ND		320	190	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Hexachlorobenzene	ND		66	23	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Hexachlorocyclopentadiene	ND		320	33	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Hexachloroethane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Indeno[1,2,3-cd]pyrene	ND		66	32	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Isophorone	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2-Methylphenol	ND		320	94	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Methylphenol, 3 & 4	ND		320	96	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1

Client Sample ID: SSHS-IRM5A2-HR-B39
Lab Sample ID: 180-155142-8

Date Collected: 04/14/23 15:30
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	83	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2-Nitrophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
N-Nitrosodiphenylamine	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Pentachlorophenol	ND		1700	520	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Phenol	ND		320	99	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
Pyrene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
1,2,4,5-Tetrachlorobenzene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,3,4,6-Tetrachlorophenol	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,4,5-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1
2,4,6-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/24/23 10:04*	*04/25/23 13:58*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/24/23 10:04*	*04/25/23 13:58*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*04/24/23 10:04*	*04/25/23 13:58*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/24/23 10:04*	*04/25/23 13:58*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/24/23 10:04*	*04/25/23 13:58*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*04/24/23 10:04*	*04/25/23 13:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1
PCB-1268	ND		17	2.2	ug/Kg	☼	04/20/23 10:07	04/23/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:57*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*04/20/23 10:07*	*04/23/23 01:57*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:57*	*1*
Tetrachloro-m-xylene (Surr)	*57*		*55 - 135*	*04/20/23 10:07*	*04/23/23 01:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		19	4.9	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Antimony	**0.80**		0.71	0.22	mg/Kg	☼	05/12/23 06:33	05/15/23 17:33	1
Arsenic	**10**		0.97	0.61	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Barium	**94**		19	3.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Beryllium	**0.53**		0.39	0.11	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1

Client Sample ID: SSHS-IRM5A2-HR-B39

Lab Sample ID: 180-155142-8
Date Collected: 04/14/23 15:30
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.78		0.49	0.071	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Calcium	5600		490	63	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Chromium	16		0.49	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Cobalt	12		4.9	0.68	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Copper	28		2.4	1.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Iron	28000		9.7	9.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Lead	15		0.97	0.85	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Magnesium	4000		490	53	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Manganese	510		1.5	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Nickel	26		3.9	0.49	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Potassium	960		490	83	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Selenium	ND		0.97	0.45	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Silver	ND		0.36	0.074	mg/Kg	☼	05/12/23 06:33	05/15/23 17:33	1
Sodium	53	J	490	50	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Thallium	ND		1.9	0.28	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Vanadium	17		4.9	0.77	mg/Kg	☼	05/05/23 07:30	05/10/23 12:23	1
Zinc	64		1.4	1.0	mg/Kg	☼	05/12/23 06:33	05/15/23 17:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	1.1		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	98.9		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B40

Lab Sample ID: 180-155142-9
Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
2-Butanone (MEK)	ND		5.0	2.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1

Client Sample ID: SSHS-IRM5A2-HR-B40
Lab Sample ID: 180-155142-9
Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
trans-1,2-Dichloroethene	ND	*-	5.0	1.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/25/23 07:37	04/28/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/25/23 07:37*	*04/28/23 17:23*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*04/25/23 07:37*	*04/28/23 17:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*04/25/23 07:37*	*04/28/23 17:23*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/25/23 07:37*	*04/28/23 17:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Acetophenone	ND		680	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Anthracene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B40
Lab Sample ID: 180-155142-9
Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		680	150	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Carbazole	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
4-Chloroaniline	ND		330	89	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Chrysene	ND		68	38	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
3,3'-Dichlorobenzidine	ND		330	320	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Fluorene	ND		68	13	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Hexachlorocyclopentadiene	ND		330	35	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Isophorone	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2-Methylphenol	ND		330	97	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Naphthalene	ND		68	13	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1

Client Sample ID: SSHS-IRM5A2-HR-B40
Lab Sample ID: 180-155142-9
Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
Pyrene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/25/23 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*04/24/23 10:04*	*04/25/23 14:20*	*1*
2-Fluorophenol (Surr)	*52*		*48 - 105*	*04/24/23 10:04*	*04/25/23 14:20*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*04/24/23 10:04*	*04/25/23 14:20*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*04/24/23 10:04*	*04/25/23 14:20*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 105*	*04/24/23 10:04*	*04/25/23 14:20*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*04/24/23 10:04*	*04/25/23 14:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/20/23 10:07*	*04/23/23 02:16*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*04/20/23 10:07*	*04/23/23 02:16*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*04/20/23 10:07*	*04/23/23 02:16*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*	*04/20/23 10:07*	*04/23/23 02:16*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Antimony	**0.91**		0.90	0.27	mg/Kg	☼	05/12/23 06:33	05/15/23 17:38	1
Arsenic	**10**		0.87	0.55	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Barium	**88**		17	3.1	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Beryllium	**0.53**		0.35	0.095	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Cadmium	**0.66**		0.44	0.064	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1

Client Sample ID: SSHS-IRM5A2-HR-B40
Lab Sample ID: 180-155142-9

Date Collected: 04/14/23 15:35
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**6300**		440	56	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Chromium	**14**		0.44	0.40	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Cobalt	**12**		4.4	0.61	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Copper	**22**		2.2	1.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Iron	**27000**		8.7	8.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Lead	**20**		0.87	0.76	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Magnesium	**3800**		440	48	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Manganese	**510**		1.3	0.24	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Nickel	**25**		3.5	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Potassium	**1200**		440	74	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Selenium	ND		0.87	0.40	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Silver	ND		0.45	0.094	mg/Kg	☼	05/12/23 06:33	05/15/23 17:38	1
Sodium	**120**	**J**	440	45	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Thallium	ND		1.7	0.25	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Vanadium	**17**		4.4	0.69	mg/Kg	☼	05/05/23 07:30	05/10/23 12:28	1
Zinc	**70**		1.8	1.3	mg/Kg	☼	05/12/23 06:33	05/15/23 17:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	05/01/23 09:15	05/02/23 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.7**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**97.3**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10

Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Bromomethane	ND	*1	4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10

Date Collected: 04/14/23 15:40
Matrix: Solid

Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,4-Dioxane	ND		980	35	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/24/23 07:35*	*04/24/23 18:54*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*04/24/23 07:35*	*04/24/23 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*04/24/23 07:35*	*04/24/23 18:54*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/24/23 07:35*	*04/24/23 18:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Acetophenone	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Anthracene	ND		67	17	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Atrazine	ND		670	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10
Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		670	41	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Carbazole	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4-Chloroaniline	ND		330	87	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Chrysene	ND		67	37	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Dibenz(a,h)anthracene	ND		67	42	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Fluorene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Hexachlorobutadiene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Isophorone	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2-Methylphenol	ND		330	95	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Methylphenol, 3 & 4	ND		330	97	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Naphthalene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
3-Nitroaniline	ND		1700	84	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10

Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
N-Nitrosodi-n-propylamine	ND		67	22	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
Pyrene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*04/24/23 10:04*	*04/26/23 20:08*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*04/24/23 10:04*	*04/26/23 20:08*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*04/24/23 10:04*	*04/26/23 20:08*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*04/24/23 10:04*	*04/26/23 20:08*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*04/24/23 10:04*	*04/26/23 20:08*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*	*04/24/23 10:04*	*04/26/23 20:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/20/23 10:07*	*04/23/23 02:35*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/20/23 10:07*	*04/23/23 02:35*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*04/20/23 10:07*	*04/23/23 02:35*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*04/20/23 10:07*	*04/23/23 02:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.7	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Antimony	**0.79**	**J**	0.92	0.28	mg/Kg	☼	05/12/23 06:33	05/15/23 17:43	1
Arsenic	**11**		0.95	0.60	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Barium	**97**		19	3.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Beryllium	**0.57**		0.38	0.10	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Cadmium	**0.78**		0.48	0.070	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Calcium	**4400**		480	61	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1

Client Sample ID: SSHS-IRM5A2-HR-B41
Lab Sample ID: 180-155142-10

Date Collected: 04/14/23 15:40
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**16**		0.48	0.43	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Cobalt	**13**		4.8	0.67	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Copper	**23**		2.4	1.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Iron	**32000**		9.5	9.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Lead	**17**		0.95	0.83	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Magnesium	**4200**		480	52	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Manganese	**530**		1.4	0.26	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Nickel	**28**		3.8	0.48	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Potassium	**1100**		480	81	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Selenium	ND		0.95	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Silver	ND		0.46	0.095	mg/Kg	☼	05/12/23 06:33	05/15/23 17:43	1
Sodium	**110**	**J**	480	49	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Thallium	ND		1.9	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Vanadium	**20**		4.8	0.75	mg/Kg	☼	05/05/23 07:30	05/10/23 12:33	1
Zinc	**62**		1.8	1.3	mg/Kg	☼	05/12/23 06:33	05/15/23 17:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	05/01/23 09:15	05/02/23 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.7**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**97.3**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11

Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Benzene	ND		4.8	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Bromomethane	ND	*1	4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
2-Butanone (MEK)	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Chloroform	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11
Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.8	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,4-Dioxane	ND		960	34	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
2-Hexanone	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Styrene	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Toluene	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2,3-Trichlorobenzene	ND		4.8	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Vinyl chloride	ND		4.8	3.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*04/24/23 07:35*	*04/24/23 18:31*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*04/24/23 07:35*	*04/24/23 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*04/24/23 07:35*	*04/24/23 18:31*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/24/23 07:35*	*04/24/23 18:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Acetophenone	ND		680	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Anthracene	ND		68	17	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Atrazine	ND		680	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11
Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Carbazole	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Chrysene	ND		68	37	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
1,4-Dioxane	ND		680	100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Fluorene	ND		68	13	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Indeno[1,2,3-cd]pyrene	ND		68	33	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Isophorone	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Naphthalene	ND		68	13	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11

Date Collected: 04/14/23 15:45
Matrix: Solid

Date Received: 04/15/23 09:17
Percent Solids: 98.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
Pyrene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/24/23 10:04*	*04/26/23 20:29*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*04/24/23 10:04*	*04/26/23 20:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*04/24/23 10:04*	*04/26/23 20:29*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*04/24/23 10:04*	*04/26/23 20:29*	*1*
Terphenyl-d14 (Surr)	*101*		*39 - 105*	*04/24/23 10:04*	*04/26/23 20:29*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*34 - 108*	*04/24/23 10:04*	*04/26/23 20:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/20/23 10:07*	*04/23/23 02:54*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/20/23 10:07*	*04/23/23 02:54*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*04/20/23 10:07*	*04/23/23 02:54*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*04/20/23 10:07*	*04/23/23 02:54*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		18	4.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Antimony	**0.74**		0.66	0.20	mg/Kg	☼	05/12/23 06:33	05/15/23 17:48	1
Arsenic	**10**		0.91	0.57	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Barium	**94**		18	3.2	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Beryllium	**0.55**		0.36	0.099	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Cadmium	**0.75**		0.45	0.067	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Calcium	**4500**		450	59	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Chromium	**16**		0.45	0.41	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1

Client Sample ID: SSHS-IRM5A2-HR-B42
Lab Sample ID: 180-155142-11
Date Collected: 04/14/23 15:45
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	13		4.5	0.64	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Copper	27		2.3	1.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Iron	28000		9.1	8.8	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Lead	15		0.91	0.79	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Magnesium	4000		450	50	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Manganese	530		1.4	0.25	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Nickel	27		3.6	0.46	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Potassium	1000		450	77	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Selenium	ND		0.91	0.42	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Silver	ND		0.33	0.069	mg/Kg	☼	05/12/23 06:33	05/15/23 17:48	1
Sodium	ND		450	46	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Thallium	ND		1.8	0.26	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Vanadium	18		4.5	0.72	mg/Kg	☼	05/05/23 07:30	05/10/23 12:38	1
Zinc	67		1.3	0.96	mg/Kg	☼	05/12/23 06:33	05/15/23 17:48	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	05/01/23 09:15	05/02/23 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	1.5		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	98.5		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B43
Lab Sample ID: 180-155142-12
Date Collected: 04/14/23 15:50
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Bromomethane	ND	*1	4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B43
Lab Sample ID: 180-155142-12
Date Collected: 04/14/23 15:50
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*04/24/23 07:35*	*04/24/23 18:08*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*04/24/23 07:35*	*04/24/23 18:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*04/24/23 07:35*	*04/24/23 18:08*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/24/23 07:35*	*04/24/23 18:08*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1

Client Sample ID: SSHS-IRM5A2-HR-B43
Lab Sample ID: 180-155142-12
Date Collected: 04/14/23 15:50
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		66	28	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
1,1'-Biphenyl	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Bis(2-chloroethoxy)methane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Bis(2-ethylhexyl) phthalate	ND		3200	350	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
4-Bromophenyl phenyl ether	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Butyl benzyl phthalate	ND		320	230	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
4-Chloroaniline	ND		320	86	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
4-Chloro-3-methylphenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2-Chlorophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
4-Chlorophenyl phenyl ether	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Chrysene	ND		66	36	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Dibenzofuran	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
3,3'-Dichlorobenzidine	ND		320	310	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Diethyl phthalate	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,4-Dimethylphenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Dimethyl phthalate	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Di-n-butyl phthalate	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,4-Dinitrophenol	ND		3200	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,4-Dinitrotoluene	ND		320	200	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,6-Dinitrotoluene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Di-n-octyl phthalate	ND		320	190	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Hexachlorobenzene	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Hexachlorocyclopentadiene	ND		320	34	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Hexachloroethane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Isophorone	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2-Methylphenol	ND		320	94	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Methylphenol, 3 & 4	ND		320	96	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
3-Nitroaniline	ND		1700	83	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2-Nitrophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1

Client Sample ID: SSHS-IRM5A2-HR-B43
Lab Sample ID: 180-155142-12

Date Collected: 04/14/23 15:50
Matrix: Solid

Date Received: 04/15/23 09:17
Percent Solids: 98.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
N-Nitrosodiphenylamine	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Phenol	ND		320	99	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
Pyrene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
1,2,4,5-Tetrachlorobenzene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,3,4,6-Tetrachlorophenol	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,4,5-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1
2,4,6-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*04/24/23 10:04*	*04/25/23 15:26*	*1*
2-Fluorophenol (Surr)	*57*		*48 - 105*	*04/24/23 10:04*	*04/25/23 15:26*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*04/24/23 10:04*	*04/25/23 15:26*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*04/24/23 10:04*	*04/25/23 15:26*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/24/23 10:04*	*04/25/23 15:26*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*04/24/23 10:04*	*04/25/23 15:26*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*04/20/23 10:07*	*04/23/23 03:13*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/20/23 10:07*	*04/23/23 03:13*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*04/20/23 10:07*	*04/23/23 03:13*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*04/20/23 10:07*	*04/23/23 03:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		18	4.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Antimony	**0.85**	**J**	0.94	0.29	mg/Kg	☼	05/12/23 06:33	05/15/23 17:52	1
Arsenic	**11**		0.89	0.56	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Barium	**93**		18	3.2	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Beryllium	**0.49**		0.36	0.097	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Cadmium	**0.76**		0.45	0.066	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Calcium	**12000**		450	58	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Chromium	**14**		0.45	0.41	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Cobalt	**11**		4.5	0.63	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1

Client Sample ID: SSHS-IRM5A2-HR-B43

Lab Sample ID: 180-155142-12
Date Collected: 04/14/23 15:50
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	22		2.2	1.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Iron	28000		8.9	8.7	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Lead	15		0.89	0.78	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Magnesium	3800		450	49	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Manganese	590		1.3	0.25	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Nickel	25		3.6	0.45	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Potassium	710		450	76	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Selenium	ND		0.89	0.41	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Silver	ND		0.47	0.098	mg/Kg	☼	05/12/23 06:33	05/15/23 17:52	1
Sodium	61	J	450	46	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Thallium	ND		1.8	0.25	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Vanadium	17		4.5	0.71	mg/Kg	☼	05/05/23 07:30	05/10/23 12:43	1
Zinc	67		1.9	1.4	mg/Kg	☼	05/12/23 06:33	05/15/23 17:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	1.7		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	98.3		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B44

Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Benzene	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Bromomethane	ND	*1	4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
2-Butanone (MEK)	ND		4.8	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Carbon disulfide	ND		4.8	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Chloroform	ND		4.8	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,4-Dichlorobenzene	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.8	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2-Dichloroethene, Total	ND		9.7	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,4-Dioxane	ND		970	34	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
2-Hexanone	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Methylene Chloride	ND		4.8	4.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
4-Methyl-2-pentanone (MIBK)	ND		4.8	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Styrene	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Toluene	ND		4.8	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2,3-Trichlorobenzene	ND		4.8	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,2,4-Trichlorobenzene	ND		4.8	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*04/24/23 07:35*	*04/24/23 17:45*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*04/24/23 07:35*	*04/24/23 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*04/24/23 07:35*	*04/24/23 17:45*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/24/23 07:35*	*04/24/23 17:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Acetophenone	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Anthracene	ND		67	17	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Atrazine	ND		670	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Benzaldehyde	ND		670	41	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Carbazole	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4-Chloroaniline	ND		330	87	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Chrysene	ND		67	37	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Fluorene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Hexachlorobutadiene	ND		67	19	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Isophorone	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Naphthalene	ND		67	13	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13

Date Collected: 04/14/23 15:55
Matrix: Solid

Date Received: 04/15/23 09:17
Percent Solids: 97.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Phenol	ND		330	100	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
Pyrene	ND		67	16	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/24/23 10:04	04/26/23 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/24/23 10:04*	*04/26/23 20:51*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*04/24/23 10:04*	*04/26/23 20:51*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*04/24/23 10:04*	*04/26/23 20:51*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*04/24/23 10:04*	*04/26/23 20:51*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 105*	*04/24/23 10:04*	*04/26/23 20:51*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*34 - 108*	*04/24/23 10:04*	*04/26/23 20:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*04/20/23 10:07*	*04/23/23 03:32*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/20/23 10:07*	*04/23/23 03:32*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*04/20/23 10:07*	*04/23/23 03:32*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*04/20/23 10:07*	*04/23/23 03:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.8	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Antimony	**0.77**		0.71	0.22	mg/Kg	☼	05/12/23 06:33	05/15/23 17:57	1
Arsenic	**9.1**		0.97	0.61	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Barium	**94**		19	3.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Beryllium	**0.55**		0.39	0.11	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Cadmium	**0.71**		0.48	0.071	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Calcium	**9300**		480	63	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Chromium	**16**		0.48	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Cobalt	**13**		4.8	0.68	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Copper	**24**		2.4	1.5	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1

Client Sample ID: SSHS-IRM5A2-HR-B44
Lab Sample ID: 180-155142-13
Date Collected: 04/14/23 15:55
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 97.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	30000		9.7	9.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Lead	13		0.97	0.84	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Magnesium	4400		480	53	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Manganese	470		1.5	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Nickel	28		3.9	0.49	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Potassium	1000		480	82	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Selenium	ND		0.97	0.45	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Silver	ND		0.36	0.074	mg/Kg	☼	05/12/23 06:33	05/15/23 17:57	1
Sodium	55	J	480	50	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Thallium	ND		1.9	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Vanadium	18		4.8	0.77	mg/Kg	☼	05/05/23 07:30	05/10/23 12:48	1
Zinc	70		1.4	1.0	mg/Kg	☼	05/12/23 06:33	05/15/23 17:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.5		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	97.5		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14
Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Bromomethane	ND	*1	5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14
Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/24/23 07:35*	*04/24/23 17:23*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*04/24/23 07:35*	*04/24/23 17:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*04/24/23 07:35*	*04/24/23 17:23*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*04/24/23 07:35*	*04/24/23 17:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Acetophenone	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Anthracene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Atrazine	ND		660	140	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Benzo[a]pyrene	ND		66	28	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14
Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
1,1'-Biphenyl	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Bis(2-chloroethoxy)methane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Bis(2-ethylhexyl) phthalate	ND		3200	350	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4-Bromophenyl phenyl ether	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Butyl benzyl phthalate	ND		320	230	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Carbazole	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4-Chloroaniline	ND		320	86	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4-Chloro-3-methylphenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2-Chlorophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4-Chlorophenyl phenyl ether	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Chrysene	ND		66	36	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Dibenzofuran	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
3,3'-Dichlorobenzidine	ND		320	310	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Diethyl phthalate	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,4-Dimethylphenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Dimethyl phthalate	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Di-n-butyl phthalate	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4,6-Dinitro-2-methylphenol	ND		1700	570	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,4-Dinitrophenol	ND		3200	2000	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,4-Dinitrotoluene	ND		320	200	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,6-Dinitrotoluene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Di-n-octyl phthalate	ND		320	190	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Fluorene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Hexachlorobenzene	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Hexachlorocyclopentadiene	ND		320	34	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Hexachloroethane	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Isophorone	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2-Methylphenol	ND		320	94	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Methylphenol, 3 & 4	ND		320	96	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Naphthalene	ND		66	13	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
3-Nitroaniline	ND		1700	83	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2-Nitrophenol	ND		320	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14

Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Phenol	ND		320	99	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
Pyrene	ND		66	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
1,2,4,5-Tetrachlorobenzene	ND		320	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,3,4,6-Tetrachlorophenol	ND		320	140	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,4,5-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1
2,4,6-Trichlorophenol	ND		320	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*04/24/23 10:04*	*04/25/23 16:10*	*1*
2-Fluorophenol (Surr)	*57*		*48 - 105*	*04/24/23 10:04*	*04/25/23 16:10*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*04/24/23 10:04*	*04/25/23 16:10*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*04/24/23 10:04*	*04/25/23 16:10*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*04/24/23 10:04*	*04/25/23 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/24/23 10:04*	*04/25/23 16:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1242	ND		17	2.4	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1
PCB-1268	ND		17	2.2	ug/Kg	☼	04/20/23 10:07	04/23/23 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/20/23 10:07*	*04/23/23 03:51*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*04/20/23 10:07*	*04/23/23 03:51*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*04/20/23 10:07*	*04/23/23 03:51*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*04/20/23 10:07*	*04/23/23 03:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		19	4.8	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Antimony	**0.95**		0.86	0.26	mg/Kg	☼	05/12/23 06:33	05/15/23 18:02	1
Arsenic	**11**		0.95	0.60	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Barium	**96**		19	3.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Beryllium	**0.51**		0.38	0.10	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Cadmium	**0.70**		0.48	0.070	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Calcium	**5800**		480	62	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Chromium	**15**		0.48	0.43	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Cobalt	**14**		4.8	0.67	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Copper	**25**		2.4	1.4	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Iron	**28000**		9.5	9.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1

Client Sample ID: SSHS-IRM5A2-HR-B45
Lab Sample ID: 180-155142-14

Date Collected: 04/14/23 16:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 99.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**22**		0.95	0.83	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Magnesium	**4100**		480	52	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Manganese	**570**		1.4	0.26	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Nickel	**27**		3.8	0.48	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Potassium	**850**		480	81	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Selenium	ND		0.95	0.44	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Silver	ND		0.43	0.089	mg/Kg	☼	05/12/23 06:33	05/15/23 18:02	1
Sodium	**49**	**J**	480	49	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Thallium	ND		1.9	0.27	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Vanadium	**16**		4.8	0.75	mg/Kg	☼	05/05/23 07:30	05/10/23 12:53	1
Zinc	**67**		1.7	1.2	mg/Kg	☼	05/12/23 06:33	05/15/23 18:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	05/01/23 09:15	05/02/23 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**1.0**		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	**99.0**		0.1	0.1	%			04/15/23 17:26	1

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15

Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Bromomethane	ND	*1	5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2-Dichloroethene, Total	ND		9.9	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2,3-Trichlorobenzene	ND		5.0	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1
Xylenes, Total	ND		9.9	7.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/24/23 07:35*	*04/24/23 17:00*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*04/24/23 07:35*	*04/24/23 17:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*04/24/23 07:35*	*04/24/23 17:00*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*04/24/23 07:35*	*04/24/23 17:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Acetophenone	ND		680	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Anthracene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Atrazine	ND		680	150	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Carbazole	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Chrysene	ND		68	38	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Fluorene	ND		68	13	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Isophorone	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2-Methylphenol	ND		340	97	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Naphthalene	ND		68	13	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Phenol	ND		340	100	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
Pyrene	ND		68	16	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/24/23 10:04	04/25/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/24/23 10:04*	*04/25/23 16:32*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*04/24/23 10:04*	*04/25/23 16:32*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*04/24/23 10:04*	*04/25/23 16:32*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/24/23 10:04*	*04/25/23 16:32*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*04/24/23 10:04*	*04/25/23 16:32*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/24/23 10:04*	*04/25/23 16:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/20/23 10:07	04/23/23 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/20/23 10:07*	*04/23/23 04:10*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/20/23 10:07*	*04/23/23 04:10*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*	*04/20/23 10:07*	*04/23/23 04:10*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*55 - 135*	*04/20/23 10:07*	*04/23/23 04:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		17	4.2	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Antimony	**0.87**		0.78	0.24	mg/Kg	☼	05/12/23 06:33	05/15/23 18:07	1
Arsenic	**9.0**		0.85	0.53	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Barium	**86**		17	3.0	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Beryllium	**0.49**		0.34	0.092	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Cadmium	**0.70**		0.42	0.062	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Calcium	**5600**		420	55	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Chromium	**14**		0.42	0.39	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Cobalt	**12**		4.2	0.60	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Copper	**21**		2.1	1.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Iron	**26000**		8.5	8.3	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Lead	**19**		0.85	0.74	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP297
Lab Sample ID: 180-155142-15
Date Collected: 04/14/23 00:00
Matrix: Solid
Date Received: 04/15/23 09:17
Percent Solids: 98.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3700		420	47	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Manganese	430		1.3	0.24	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Nickel	25		3.4	0.43	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Potassium	930		420	72	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Selenium	ND		0.85	0.39	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Silver	ND		0.39	0.081	mg/Kg	☼	05/12/23 06:33	05/15/23 18:07	1
Sodium	51	J	420	43	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Thallium	ND		1.7	0.24	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Vanadium	17		4.2	0.67	mg/Kg	☼	05/05/23 07:30	05/10/23 12:58	1
Zinc	68		1.6	1.1	mg/Kg	☼	05/12/23 06:33	05/15/23 18:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	05/01/23 09:15	05/02/23 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	1.8		0.1	0.1	%			04/15/23 17:26	1
Percent Solids (SM22 2540G)	98.2		0.1	0.1	%			04/15/23 17:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-155142-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-433165/7
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/24/23 10:55	1
Benzene	ND		5.0	1.4	ug/Kg			04/24/23 10:55	1
Bromoform	ND		5.0	2.5	ug/Kg			04/24/23 10:55	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/24/23 10:55	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/24/23 10:55	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/24/23 10:55	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/24/23 10:55	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/24/23 10:55	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/24/23 10:55	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/24/23 10:55	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/24/23 10:55	1
Chloroform	ND		5.0	1.6	ug/Kg			04/24/23 10:55	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/24/23 10:55	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/24/23 10:55	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/24/23 10:55	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/24/23 10:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/24/23 10:55	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/24/23 10:55	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/24/23 10:55	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/24/23 10:55	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/24/23 10:55	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/24/23 10:55	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/24/23 10:55	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/24/23 10:55	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/24/23 10:55	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/24/23 10:55	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/24/23 10:55	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/24/23 10:55	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/24/23 10:55	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/24/23 10:55	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/24/23 10:55	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/24/23 10:55	1
Methyl acetate	ND		25	7.4	ug/Kg			04/24/23 10:55	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/24/23 10:55	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/24/23 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/24/23 10:55	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/24/23 10:55	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/24/23 10:55	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/24/23 10:55	1
Styrene	ND		5.0	1.5	ug/Kg			04/24/23 10:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/24/23 10:55	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/24/23 10:55	1
Toluene	ND		5.0	1.4	ug/Kg			04/24/23 10:55	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/24/23 10:55	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/24/23 10:55	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/24/23 10:55	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/24/23 10:55	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/24/23 10:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433165/7
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/24/23 10:55	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/24/23 10:55	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/24/23 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/24/23 10:55	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/24/23 10:55	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/24/23 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*		*04/24/23 10:55*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*04/24/23 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*		*04/24/23 10:55*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*		*04/24/23 10:55*	*1*

Lab Sample ID: LCS 180-433165/3
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	34.6		ug/Kg		86	23 - 170
Benzene	40.0	37.6		ug/Kg		94	77 - 120
Bromoform	40.0	38.6		ug/Kg		96	37 - 147
Bromomethane	40.0	20.2		ug/Kg		51	47 - 149
2-Butanone (MEK)	40.0	25.8		ug/Kg		64	39 - 157
Carbon disulfide	40.0	45.7		ug/Kg		114	40 - 156
Carbon tetrachloride	40.0	38.0		ug/Kg		95	73 - 130
Chlorobenzene	40.0	35.8		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	40.2		ug/Kg		101	64 - 128
Chlorodibromomethane	40.0	37.6		ug/Kg		94	60 - 134
Chloroethane	40.0	40.1		ug/Kg		100	37 - 159
Chloroform	40.0	37.6		ug/Kg		94	73 - 126
Chloromethane	40.0	31.7		ug/Kg		79	46 - 151
cis-1,2-Dichloroethene	40.0	38.6		ug/Kg		97	77 - 118
cis-1,3-Dichloropropene	40.0	42.0		ug/Kg		105	73 - 127
Cyclohexane	40.0	37.9		ug/Kg		95	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	36.6		ug/Kg		91	30 - 163
1,2-Dibromoethane	40.0	37.6		ug/Kg		94	59 - 137
1,2-Dichlorobenzene	40.0	34.9		ug/Kg		87	76 - 120
1,3-Dichlorobenzene	40.0	35.3		ug/Kg		88	77 - 121
1,4-Dichlorobenzene	40.0	35.9		ug/Kg		90	79 - 120
Dichlorobromomethane	40.0	38.1		ug/Kg		95	75 - 123
Dichlorodifluoromethane	40.0	42.6		ug/Kg		106	26 - 149
1,1-Dichloroethane	40.0	38.3		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	41.4		ug/Kg		104	64 - 140
1,1-Dichloroethene	40.0	42.8		ug/Kg		107	55 - 136
1,2-Dichloroethene, Total	80.0	78.4		ug/Kg		98	77 - 119
1,2-Dichloropropane	40.0	36.9		ug/Kg		92	77 - 119
1,4-Dioxane	800	597	J	ug/Kg		75	18 - 166
Ethylbenzene	40.0	34.7		ug/Kg		87	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433165/3
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	29.6		ug/Kg		74	42 - 152
Isopropylbenzene	40.0	34.3		ug/Kg		86	70 - 125
Methyl acetate	80.0	118		ug/Kg		148	20 - 170
Methylcyclohexane	40.0	37.3		ug/Kg		93	70 - 125
Methylene Chloride	40.0	44.9		ug/Kg		112	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.7		ug/Kg		87	51 - 147
Methyl tert-butyl ether	40.0	37.9		ug/Kg		95	58 - 132
m-Xylene & p-Xylene	40.0	36.6		ug/Kg		92	77 - 120
o-Xylene	40.0	35.4		ug/Kg		89	78 - 118
Styrene	40.0	35.9		ug/Kg		90	80 - 120
1,1,2,2-Tetrachloroethane	40.0	42.6		ug/Kg		107	36 - 170
Tetrachloroethene	40.0	37.0		ug/Kg		93	71 - 121
Toluene	40.0	35.4		ug/Kg		89	76 - 120
trans-1,2-Dichloroethene	40.0	39.8		ug/Kg		99	75 - 122
trans-1,3-Dichloropropene	40.0	37.2		ug/Kg		93	68 - 133
1,2,3-Trichlorobenzene	40.0	37.5		ug/Kg		94	29 - 166
1,2,4-Trichlorobenzene	40.0	36.6		ug/Kg		91	22 - 170
1,1,1-Trichloroethane	40.0	37.8		ug/Kg		95	72 - 134
1,1,2-Trichloroethane	40.0	37.5		ug/Kg		94	66 - 128
Trichloroethene	40.0	38.7		ug/Kg		97	69 - 118
Trichlorofluoromethane	40.0	37.1		ug/Kg		93	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	41.5		ug/Kg		104	59 - 135
Vinyl chloride	40.0	33.8		ug/Kg		85	64 - 134
Xylenes, Total	80.0	72.0		ug/Kg		90	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*
Dibromofluoromethane (Surr)	*114*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Lab Sample ID: LCSD 180-433165/4
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	28.2		ug/Kg		71	23 - 170	20	35
Benzene	40.0	39.8		ug/Kg		99	77 - 120	6	20
Bromoform	40.0	42.6		ug/Kg		106	37 - 147	10	23
Bromomethane	40.0	27.6	*1	ug/Kg		69	47 - 149	31	25
2-Butanone (MEK)	40.0	26.7		ug/Kg		67	39 - 157	4	33
Carbon disulfide	40.0	48.9		ug/Kg		122	40 - 156	7	25
Carbon tetrachloride	40.0	41.5		ug/Kg		104	73 - 130	9	21
Chlorobenzene	40.0	37.5		ug/Kg		94	79 - 122	5	20
Chlorobromomethane	40.0	42.1		ug/Kg		105	64 - 128	4	20
Chlorodibromomethane	40.0	38.9		ug/Kg		97	60 - 134	4	40
Chloroethane	40.0	45.6		ug/Kg		114	37 - 159	13	25
Chloroform	40.0	40.2		ug/Kg		100	73 - 126	7	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433165/4
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	34.7		ug/Kg		87	46 - 151	9	33
cis-1,2-Dichloroethene			40.0	40.3		ug/Kg		101	77 - 118	4	20
cis-1,3-Dichloropropene			40.0	44.6		ug/Kg		111	73 - 127	6	20
Cyclohexane			40.0	41.6		ug/Kg		104	63 - 143	9	25
1,2-Dibromo-3-Chloropropane			40.0	41.4		ug/Kg		103	30 - 163	12	34
1,2-Dibromoethane			40.0	40.2		ug/Kg		100	59 - 137	7	20
1,2-Dichlorobenzene			40.0	36.8		ug/Kg		92	76 - 120	5	20
1,3-Dichlorobenzene			40.0	37.2		ug/Kg		93	77 - 121	5	20
1,4-Dichlorobenzene			40.0	37.2		ug/Kg		93	79 - 120	4	20
Dichlorobromomethane			40.0	39.5		ug/Kg		99	75 - 123	4	20
Dichlorodifluoromethane			40.0	45.7		ug/Kg		114	26 - 149	7	24
1,1-Dichloroethane			40.0	39.9		ug/Kg		100	73 - 124	4	20
1,2-Dichloroethane			40.0	44.1		ug/Kg		110	64 - 140	6	20
1,1-Dichloroethene			40.0	45.4		ug/Kg		113	55 - 136	6	21
1,2-Dichloroethene, Total			80.0	81.5		ug/Kg		102	77 - 119	4	20
1,2-Dichloropropane			40.0	40.1		ug/Kg		100	77 - 119	8	20
1,4-Dioxane			800	682	J	ug/Kg		85	18 - 166	13	40
Ethylbenzene			40.0	37.4		ug/Kg		93	79 - 119	7	20
2-Hexanone			40.0	28.3		ug/Kg		71	42 - 152	4	30
Isopropylbenzene			40.0	36.7		ug/Kg		92	70 - 125	7	21
Methyl acetate			80.0	123		ug/Kg		154	20 - 170	4	33
Methylcyclohexane			40.0	40.6		ug/Kg		102	70 - 125	8	22
Methylene Chloride			40.0	47.5		ug/Kg		119	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)			40.0	38.5		ug/Kg		96	51 - 147	10	27
Methyl tert-butyl ether			40.0	40.1		ug/Kg		100	58 - 132	6	24
m-Xylene & p-Xylene			40.0	39.6		ug/Kg		99	77 - 120	8	20
o-Xylene			40.0	38.0		ug/Kg		95	78 - 118	7	20
Styrene			40.0	38.0		ug/Kg		95	80 - 120	6	20
1,1,2,2-Tetrachloroethane			40.0	45.2		ug/Kg		113	36 - 170	6	23
Tetrachloroethene			40.0	39.8		ug/Kg		99	71 - 121	7	21
Toluene			40.0	37.4		ug/Kg		94	76 - 120	6	20
trans-1,2-Dichloroethene			40.0	41.2		ug/Kg		103	75 - 122	3	20
trans-1,3-Dichloropropene			40.0	40.7		ug/Kg		102	68 - 133	9	20
1,2,3-Trichlorobenzene			40.0	41.0		ug/Kg		102	29 - 166	9	40
1,2,4-Trichlorobenzene			40.0	39.7		ug/Kg		99	22 - 170	8	29
1,1,1-Trichloroethane			40.0	40.4		ug/Kg		101	72 - 134	7	20
1,1,2-Trichloroethane			40.0	38.7		ug/Kg		97	66 - 128	3	21
Trichloroethene			40.0	40.8		ug/Kg		102	69 - 118	5	20
Trichlorofluoromethane			40.0	38.2		ug/Kg		95	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	46.4		ug/Kg		116	59 - 135	11	28
Vinyl chloride			40.0	36.9		ug/Kg		92	64 - 134	9	23
Xylenes, Total			80.0	77.6		ug/Kg		97	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433165/4
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: MB 180-433166/8
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/24/23 12:32	1
Benzene	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
Bromoform	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/24/23 12:32	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/24/23 12:32	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/24/23 12:32	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/24/23 12:32	1
Chloroform	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/24/23 12:32	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/24/23 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/24/23 12:32	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/24/23 12:32	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/24/23 12:32	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/24/23 12:32	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/24/23 12:32	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/24/23 12:32	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/24/23 12:32	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/24/23 12:32	1
Methyl acetate	ND		25	7.4	ug/Kg			04/24/23 12:32	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/24/23 12:32	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/24/23 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/24/23 12:32	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/24/23 12:32	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Styrene	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433166/8
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Toluene	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/24/23 12:32	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/24/23 12:32	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/24/23 12:32	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/24/23 12:32	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/24/23 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/24/23 12:32	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/24/23 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*		*04/24/23 12:32*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*		*04/24/23 12:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*		*04/24/23 12:32*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*		*04/24/23 12:32*	*1*

Lab Sample ID: LCS 180-433166/5
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	28.0		ug/Kg		70	23 - 170
Benzene	40.0	40.7		ug/Kg		102	77 - 120
Bromoform	40.0	49.8		ug/Kg		124	37 - 147
Bromomethane	40.0	36.8		ug/Kg		92	47 - 149
2-Butanone (MEK)	40.0	32.3		ug/Kg		81	39 - 157
Carbon disulfide	40.0	38.8		ug/Kg		97	40 - 156
Carbon tetrachloride	40.0	38.4		ug/Kg		96	73 - 130
Chlorobenzene	40.0	39.4		ug/Kg		98	79 - 122
Chlorobromomethane	40.0	49.0		ug/Kg		122	64 - 128
Chlorodibromomethane	40.0	44.2		ug/Kg		111	60 - 134
Chloroethane	40.0	37.9		ug/Kg		95	37 - 159
Chloroform	40.0	39.4		ug/Kg		98	73 - 126
Chloromethane	40.0	38.5		ug/Kg		96	46 - 151
cis-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	77 - 118
cis-1,3-Dichloropropene	40.0	42.5		ug/Kg		106	73 - 127
Cyclohexane	40.0	36.1		ug/Kg		90	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	51.6		ug/Kg		129	30 - 163
1,2-Dibromoethane	40.0	45.4		ug/Kg		114	59 - 137
1,2-Dichlorobenzene	40.0	41.2		ug/Kg		103	76 - 120
1,3-Dichlorobenzene	40.0	37.3		ug/Kg		93	77 - 121
1,4-Dichlorobenzene	40.0	38.8		ug/Kg		97	79 - 120
Dichlorobromomethane	40.0	43.0		ug/Kg		107	75 - 123
Dichlorodifluoromethane	40.0	38.3		ug/Kg		96	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433166/5
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	73 - 124
1,2-Dichloroethane	40.0	43.2		ug/Kg		108	64 - 140
1,1-Dichloroethene	40.0	35.4		ug/Kg		88	55 - 136
1,2-Dichloroethene, Total	80.0	80.4		ug/Kg		100	77 - 119
1,2-Dichloropropane	40.0	42.1		ug/Kg		105	77 - 119
1,4-Dioxane	800	1150		ug/Kg		143	18 - 166
Ethylbenzene	40.0	36.4		ug/Kg		91	79 - 119
2-Hexanone	40.0	39.0		ug/Kg		97	42 - 152
Isopropylbenzene	40.0	37.0		ug/Kg		92	70 - 125
Methyl acetate	80.0	93.2		ug/Kg		117	20 - 170
Methylcyclohexane	40.0	38.3		ug/Kg		96	70 - 125
Methylene Chloride	40.0	59.5	*+	ug/Kg		149	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	42.9		ug/Kg		107	51 - 147
Methyl tert-butyl ether	40.0	45.4		ug/Kg		113	58 - 132
m-Xylene & p-Xylene	40.0	36.0		ug/Kg		90	77 - 120
o-Xylene	40.0	37.6		ug/Kg		94	78 - 118
Styrene	40.0	40.2		ug/Kg		101	80 - 120
1,1,2,2-Tetrachloroethane	40.0	51.7		ug/Kg		129	36 - 170
Tetrachloroethene	40.0	34.5		ug/Kg		86	71 - 121
Toluene	40.0	36.2		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	38.8		ug/Kg		97	75 - 122
trans-1,3-Dichloropropene	40.0	40.2		ug/Kg		100	68 - 133
1,2,3-Trichlorobenzene	40.0	44.2		ug/Kg		110	29 - 166
1,2,4-Trichlorobenzene	40.0	41.4		ug/Kg		103	22 - 170
1,1,1-Trichloroethane	40.0	37.0		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	44.3		ug/Kg		111	66 - 128
Trichloroethene	40.0	38.4		ug/Kg		96	69 - 118
Trichlorofluoromethane	40.0	36.6		ug/Kg		91	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.0		ug/Kg		90	59 - 135
Vinyl chloride	40.0	35.3		ug/Kg		88	64 - 134
Xylenes, Total	80.0	73.6		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Lab Sample ID: LCSD 180-433166/7
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	32.8		ug/Kg		82	23 - 170	16	35
Benzene	40.0	41.1		ug/Kg		103	77 - 120	1	20
Bromoform	40.0	41.0		ug/Kg		103	37 - 147	19	23
Bromomethane	40.0	35.4		ug/Kg		88	47 - 149	4	25
2-Butanone (MEK)	40.0	36.4		ug/Kg		91	39 - 157	12	33

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433166/7
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide			40.0	40.2		ug/Kg		100	40 - 156	4	25
Carbon tetrachloride			40.0	40.1		ug/Kg		100	73 - 130	4	21
Chlorobenzene			40.0	39.2		ug/Kg		98	79 - 122	0	20
Chlorobromomethane			40.0	45.2		ug/Kg		113	64 - 128	8	20
Chlorodibromomethane			40.0	40.4		ug/Kg		101	60 - 134	9	40
Chloroethane			40.0	36.9		ug/Kg		92	37 - 159	3	25
Chloroform			40.0	40.8		ug/Kg		102	73 - 126	4	20
Chloromethane			40.0	36.1		ug/Kg		90	46 - 151	6	33
cis-1,2-Dichloroethene			40.0	40.3		ug/Kg		101	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	41.4		ug/Kg		103	73 - 127	3	20
Cyclohexane			40.0	40.2		ug/Kg		101	63 - 143	11	25
1,2-Dibromo-3-Chloropropane			40.0	49.3		ug/Kg		123	30 - 163	5	34
1,2-Dibromoethane			40.0	43.2		ug/Kg		108	59 - 137	5	20
1,2-Dichlorobenzene			40.0	39.1		ug/Kg		98	76 - 120	5	20
1,3-Dichlorobenzene			40.0	36.9		ug/Kg		92	77 - 121	1	20
1,4-Dichlorobenzene			40.0	37.6		ug/Kg		94	79 - 120	3	20
Dichlorobromomethane			40.0	41.9		ug/Kg		105	75 - 123	2	20
Dichlorodifluoromethane			40.0	39.7		ug/Kg		99	26 - 149	4	24
1,1-Dichloroethane			40.0	35.2		ug/Kg		88	73 - 124	11	20
1,2-Dichloroethane			40.0	38.4		ug/Kg		96	64 - 140	12	20
1,1-Dichloroethene			40.0	39.4		ug/Kg		98	55 - 136	11	21
1,2-Dichloroethene, Total			80.0	78.6		ug/Kg		98	77 - 119	2	20
1,2-Dichloropropane			40.0	42.3		ug/Kg		106	77 - 119	0	20
1,4-Dioxane			800	1060		ug/Kg		132	18 - 166	8	40
Ethylbenzene			40.0	37.2		ug/Kg		93	79 - 119	2	20
2-Hexanone			40.0	39.4		ug/Kg		98	42 - 152	1	30
Isopropylbenzene			40.0	38.1		ug/Kg		95	70 - 125	3	21
Methyl acetate			80.0	83.7		ug/Kg		105	20 - 170	11	33
Methylcyclohexane			40.0	41.2		ug/Kg		103	70 - 125	7	22
Methylene Chloride			40.0	41.3	*1	ug/Kg		103	67 - 131	36	32
4-Methyl-2-pentanone (MIBK)			40.0	36.7		ug/Kg		92	51 - 147	15	27
Methyl tert-butyl ether			40.0	39.5		ug/Kg		99	58 - 132	14	24
m-Xylene & p-Xylene			40.0	36.1		ug/Kg		90	77 - 120	0	20
o-Xylene			40.0	38.8		ug/Kg		97	78 - 118	3	20
Styrene			40.0	38.6		ug/Kg		97	80 - 120	4	20
1,1,2,2-Tetrachloroethane			40.0	46.1		ug/Kg		115	36 - 170	12	23
Tetrachloroethene			40.0	33.4		ug/Kg		83	71 - 121	3	21
Toluene			40.0	35.5		ug/Kg		89	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	38.2		ug/Kg		96	75 - 122	2	20
trans-1,3-Dichloropropene			40.0	38.8		ug/Kg		97	68 - 133	3	20
1,2,3-Trichlorobenzene			40.0	37.9		ug/Kg		95	29 - 166	15	40
1,2,4-Trichlorobenzene			40.0	35.9		ug/Kg		90	22 - 170	14	29
1,1,1-Trichloroethane			40.0	40.5		ug/Kg		101	72 - 134	9	20
1,1,2-Trichloroethane			40.0	42.5		ug/Kg		106	66 - 128	4	21
Trichloroethene			40.0	38.1		ug/Kg		95	69 - 118	1	20
Trichlorofluoromethane			40.0	36.7		ug/Kg		92	32 - 149	0	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.7		ug/Kg		92	59 - 135	2	28
Vinyl chloride			40.0	33.8		ug/Kg		85	64 - 134	4	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433166/7
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			80.0	74.9		ug/Kg		94	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*87*		*67 - 134*

Lab Sample ID: 180-155142-3 MS
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 433218

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		40.1	32.7		ug/Kg	☼	82	23 - 170
Benzene	ND	F1	40.1	28.8	F1	ug/Kg	☼	72	77 - 120
Bromoform	ND		40.1	45.8		ug/Kg	☼	114	37 - 147
Bromomethane	ND	*1 F2	40.1	26.0		ug/Kg	☼	65	47 - 149
2-Butanone (MEK)	ND		40.1	28.8		ug/Kg	☼	72	39 - 157
Carbon disulfide	ND		40.1	25.4		ug/Kg	☼	63	40 - 156
Carbon tetrachloride	ND	F1	40.1	30.8		ug/Kg	☼	77	73 - 130
Chlorobenzene	ND		40.1	42.3		ug/Kg	☼	105	79 - 122
Chlorobromomethane	ND		40.1	32.5		ug/Kg	☼	81	64 - 128
Chlorodibromomethane	ND		40.1	46.7		ug/Kg	☼	116	60 - 134
Chloroethane	ND		40.1	44.6		ug/Kg	☼	111	37 - 159
Chloroform	ND		40.1	35.2		ug/Kg	☼	88	73 - 126
Chloromethane	ND		40.1	34.1		ug/Kg	☼	85	46 - 151
cis-1,2-Dichloroethene	ND	F1	40.1	30.1	F1	ug/Kg	☼	75	77 - 118
cis-1,3-Dichloropropene	ND		40.1	43.9		ug/Kg	☼	109	73 - 127
Cyclohexane	ND	F1	40.1	25.0	F1	ug/Kg	☼	62	63 - 143
1,2-Dibromo-3-Chloropropane	ND		40.1	41.5		ug/Kg	☼	103	30 - 163
1,2-Dibromoethane	ND		40.1	43.5		ug/Kg	☼	108	59 - 137
1,2-Dichlorobenzene	ND		40.1	38.9		ug/Kg	☼	97	76 - 120
1,3-Dichlorobenzene	ND		40.1	40.5		ug/Kg	☼	101	77 - 121
1,4-Dichlorobenzene	ND		40.1	40.3		ug/Kg	☼	100	79 - 120
Dichlorobromomethane	ND		40.1	42.7		ug/Kg	☼	106	75 - 123
Dichlorodifluoromethane	ND		40.1	49.2		ug/Kg	☼	123	26 - 149
1,1-Dichloroethane	ND	F1	40.1	27.3	F1	ug/Kg	☼	68	73 - 124
1,2-Dichloroethane	ND		40.1	36.0		ug/Kg	☼	90	64 - 140
1,1-Dichloroethene	ND		40.1	25.5		ug/Kg	☼	64	55 - 136
1,2-Dichloroethene, Total	ND	F1	80.3	57.0	F1	ug/Kg	☼	71	77 - 119
1,2-Dichloropropane	ND		40.1	35.2		ug/Kg	☼	88	77 - 119
1,4-Dioxane	ND		803	666	J	ug/Kg	☼	83	18 - 166
Ethylbenzene	ND		40.1	40.4		ug/Kg	☼	101	79 - 119
2-Hexanone	ND		40.1	36.2		ug/Kg	☼	90	42 - 152
Isopropylbenzene	ND		40.1	42.5		ug/Kg	☼	106	70 - 125
Methyl acetate	ND		80.3	75.7		ug/Kg	☼	94	20 - 170
Methylcyclohexane	ND	F1	40.1	28.4		ug/Kg	☼	71	70 - 125
Methylene Chloride	ND	F1	40.1	27.9		ug/Kg	☼	70	67 - 131

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-155142-3 MS
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 433218

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (MIBK)	ND		40.1	40.7		ug/Kg	☼	101	51 - 147
Methyl tert-butyl ether	ND		40.1	26.6		ug/Kg	☼	66	58 - 132
m-Xylene & p-Xylene	ND		40.1	43.5		ug/Kg	☼	108	77 - 120
o-Xylene	ND		40.1	42.1		ug/Kg	☼	105	78 - 118
Styrene	ND		40.1	43.1		ug/Kg	☼	107	80 - 120
1,1,2,2-Tetrachloroethane	ND		40.1	49.0		ug/Kg	☼	122	36 - 170
Tetrachloroethene	ND		40.1	38.6		ug/Kg	☼	96	71 - 121
Toluene	ND		40.1	35.1		ug/Kg	☼	87	76 - 120
trans-1,2-Dichloroethene	ND	F1	40.1	26.9	F1	ug/Kg	☼	67	75 - 122
trans-1,3-Dichloropropene	ND		40.1	43.8		ug/Kg	☼	109	68 - 133
1,2,3-Trichlorobenzene	ND		40.1	42.7		ug/Kg	☼	106	29 - 166
1,2,4-Trichlorobenzene	ND		40.1	40.0		ug/Kg	☼	100	22 - 170
1,1,1-Trichloroethane	ND	F1	40.1	29.7		ug/Kg	☼	74	72 - 134
1,1,2-Trichloroethane	ND		40.1	44.6		ug/Kg	☼	111	66 - 128
Trichloroethene	ND		40.1	34.2		ug/Kg	☼	85	69 - 118
Trichlorofluoromethane	ND		40.1	39.6		ug/Kg	☼	99	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.1	31.3		ug/Kg	☼	78	59 - 135
Vinyl chloride	ND		40.1	35.8		ug/Kg	☼	89	64 - 134
Xylenes, Total	ND		80.3	85.6		ug/Kg	☼	107	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Lab Sample ID: 180-155142-3 MSD
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 433218

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		40.5	25.4		ug/Kg	☼	63	23 - 170	25	35
Benzene	ND	F1	40.5	27.4	F1	ug/Kg	☼	68	77 - 120	5	20
Bromoform	ND		40.5	41.3		ug/Kg	☼	102	37 - 147	10	23
Bromomethane	ND	*1 F2	40.5	35.8	F2	ug/Kg	☼	88	47 - 149	32	25
2-Butanone (MEK)	ND		40.5	23.4		ug/Kg	☼	58	39 - 157	21	33
Carbon disulfide	ND		40.5	24.8		ug/Kg	☼	61	40 - 156	2	25
Carbon tetrachloride	ND	F1	40.5	28.8	F1	ug/Kg	☼	71	73 - 130	7	21
Chlorobenzene	ND		40.5	39.7		ug/Kg	☼	98	79 - 122	6	20
Chlorobromomethane	ND		40.5	29.9		ug/Kg	☼	74	64 - 128	8	20
Chlorodibromomethane	ND		40.5	42.8		ug/Kg	☼	106	60 - 134	9	40
Chloroethane	ND		40.5	45.2		ug/Kg	☼	112	37 - 159	1	25
Chloroform	ND		40.5	32.2		ug/Kg	☼	80	73 - 126	9	20
Chloromethane	ND		40.5	36.4		ug/Kg	☼	90	46 - 151	7	33
cis-1,2-Dichloroethene	ND	F1	40.5	28.5	F1	ug/Kg	☼	70	77 - 118	5	20
cis-1,3-Dichloropropene	ND		40.5	40.3		ug/Kg	☼	100	73 - 127	8	20
Cyclohexane	ND	F1	40.5	23.8	F1	ug/Kg	☼	59	63 - 143	5	25
1,2-Dibromo-3-Chloropropane	ND		40.5	38.1		ug/Kg	☼	94	30 - 163	9	34

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-155142-3 MSD
Matrix: Solid
Analysis Batch: 433165

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 433218

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		40.5	40.0		ug/Kg	☼	99	59 - 137	8	20
1,2-Dichlorobenzene	ND		40.5	36.8		ug/Kg	☼	91	76 - 120	5	20
1,3-Dichlorobenzene	ND		40.5	38.2		ug/Kg	☼	94	77 - 121	6	20
1,4-Dichlorobenzene	ND		40.5	38.6		ug/Kg	☼	95	79 - 120	4	20
Dichlorobromomethane	ND		40.5	39.2		ug/Kg	☼	97	75 - 123	9	20
Dichlorodifluoromethane	ND		40.5	50.9		ug/Kg	☼	126	26 - 149	3	24
1,1-Dichloroethane	ND	F1	40.5	26.2	F1	ug/Kg	☼	65	73 - 124	4	20
1,2-Dichloroethane	ND		40.5	34.5		ug/Kg	☼	85	64 - 140	4	20
1,1-Dichloroethene	ND		40.5	24.8		ug/Kg	☼	61	55 - 136	3	21
1,2-Dichloroethene, Total	ND	F1	81.0	53.8	F1	ug/Kg	☼	66	77 - 119	6	20
1,2-Dichloropropane	ND		40.5	33.1		ug/Kg	☼	82	77 - 119	6	20
1,4-Dioxane	ND		810	651	J	ug/Kg	☼	80	18 - 166	2	40
Ethylbenzene	ND		40.5	39.2		ug/Kg	☼	97	79 - 119	3	20
2-Hexanone	ND		40.5	28.1		ug/Kg	☼	69	42 - 152	25	30
Isopropylbenzene	ND		40.5	40.2		ug/Kg	☼	99	70 - 125	5	21
Methyl acetate	ND		81.0	70.6		ug/Kg	☼	87	20 - 170	7	33
Methylcyclohexane	ND	F1	40.5	27.0	F1	ug/Kg	☼	67	70 - 125	5	22
Methylene Chloride	ND	F1	40.5	25.2	F1	ug/Kg	☼	62	67 - 131	10	32
4-Methyl-2-pentanone (MIBK)	ND		40.5	36.3		ug/Kg	☼	90	51 - 147	11	27
Methyl tert-butyl ether	ND		40.5	24.6		ug/Kg	☼	61	58 - 132	8	24
m-Xylene & p-Xylene	ND		40.5	41.0		ug/Kg	☼	101	77 - 120	6	20
o-Xylene	ND		40.5	39.8		ug/Kg	☼	98	78 - 118	6	20
Styrene	ND		40.5	40.0		ug/Kg	☼	99	80 - 120	8	20
1,1,2,2-Tetrachloroethane	ND		40.5	41.4		ug/Kg	☼	102	36 - 170	17	23
Tetrachloroethene	ND		40.5	36.9		ug/Kg	☼	91	71 - 121	5	21
Toluene	ND		40.5	33.3		ug/Kg	☼	82	76 - 120	5	20
trans-1,2-Dichloroethene	ND	F1	40.5	25.3	F1	ug/Kg	☼	62	75 - 122	6	20
trans-1,3-Dichloropropene	ND		40.5	40.2		ug/Kg	☼	99	68 - 133	9	20
1,2,3-Trichlorobenzene	ND		40.5	41.0		ug/Kg	☼	101	29 - 166	4	40
1,2,4-Trichlorobenzene	ND		40.5	40.9		ug/Kg	☼	101	22 - 170	2	29
1,1,1-Trichloroethane	ND	F1	40.5	27.8	F1	ug/Kg	☼	69	72 - 134	7	20
1,1,2-Trichloroethane	ND		40.5	41.1		ug/Kg	☼	101	66 - 128	8	21
Trichloroethene	ND		40.5	32.9		ug/Kg	☼	81	69 - 118	4	20
Trichlorofluoromethane	ND		40.5	39.0		ug/Kg	☼	96	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.5	30.1		ug/Kg	☼	74	59 - 135	4	28
Vinyl chloride	ND		40.5	37.3		ug/Kg	☼	92	64 - 134	4	23
Xylenes, Total	ND		81.0	80.8		ug/Kg	☼	100	78 - 118	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433277/7
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/25/23 12:00	1
Benzene	ND		5.0	1.4	ug/Kg			04/25/23 12:00	1
Bromoform	ND		5.0	2.5	ug/Kg			04/25/23 12:00	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/25/23 12:00	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/25/23 12:00	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/25/23 12:00	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/25/23 12:00	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/25/23 12:00	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/25/23 12:00	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/25/23 12:00	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/25/23 12:00	1
Chloroform	ND		5.0	1.6	ug/Kg			04/25/23 12:00	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/25/23 12:00	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/25/23 12:00	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/25/23 12:00	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/25/23 12:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/25/23 12:00	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/25/23 12:00	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/25/23 12:00	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/25/23 12:00	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/25/23 12:00	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/25/23 12:00	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/25/23 12:00	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/25/23 12:00	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/25/23 12:00	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/25/23 12:00	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/25/23 12:00	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/25/23 12:00	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/25/23 12:00	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/25/23 12:00	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/25/23 12:00	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/25/23 12:00	1
Methyl acetate	ND		25	7.4	ug/Kg			04/25/23 12:00	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/25/23 12:00	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/25/23 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/25/23 12:00	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/25/23 12:00	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/25/23 12:00	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/25/23 12:00	1
Styrene	ND		5.0	1.5	ug/Kg			04/25/23 12:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/25/23 12:00	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/25/23 12:00	1
Toluene	ND		5.0	1.4	ug/Kg			04/25/23 12:00	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/25/23 12:00	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/25/23 12:00	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/25/23 12:00	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/25/23 12:00	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/25/23 12:00	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433277/7
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/25/23 12:00	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/25/23 12:00	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/25/23 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/25/23 12:00	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/25/23 12:00	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/25/23 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*		*04/25/23 12:00*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*		*04/25/23 12:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*		*04/25/23 12:00*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*		*04/25/23 12:00*	*1*

Lab Sample ID: LCS 180-433277/3
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	36.6		ug/Kg		92	23 - 170
Benzene	40.0	34.2		ug/Kg		85	77 - 120
Bromoform	40.0	44.5		ug/Kg		111	37 - 147
Bromomethane	40.0	11.0	*-	ug/Kg		27	47 - 149
2-Butanone (MEK)	40.0	31.0		ug/Kg		77	39 - 157
Carbon disulfide	40.0	29.3		ug/Kg		73	40 - 156
Carbon tetrachloride	40.0	35.6		ug/Kg		89	73 - 130
Chlorobenzene	40.0	36.6		ug/Kg		92	79 - 122
Chlorobromomethane	40.0	38.8		ug/Kg		97	64 - 128
Chlorodibromomethane	40.0	40.5		ug/Kg		101	60 - 134
Chloroethane	40.0	11.2	*-	ug/Kg		28	37 - 159
Chloroform	40.0	36.8		ug/Kg		92	73 - 126
Chloromethane	40.0	8.55	*-	ug/Kg		21	46 - 151
cis-1,2-Dichloroethene	40.0	35.8		ug/Kg		90	77 - 118
cis-1,3-Dichloropropene	40.0	40.8		ug/Kg		102	73 - 127
Cyclohexane	40.0	29.4		ug/Kg		74	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.8		ug/Kg		105	30 - 163
1,2-Dibromoethane	40.0	40.8		ug/Kg		102	59 - 137
1,2-Dichlorobenzene	40.0	36.0		ug/Kg		90	76 - 120
1,3-Dichlorobenzene	40.0	36.4		ug/Kg		91	77 - 121
1,4-Dichlorobenzene	40.0	36.8		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	37.3		ug/Kg		93	75 - 123
Dichlorodifluoromethane	40.0	12.3		ug/Kg		31	26 - 149
1,1-Dichloroethane	40.0	34.3		ug/Kg		86	73 - 124
1,2-Dichloroethane	40.0	41.7		ug/Kg		104	64 - 140
1,1-Dichloroethene	40.0	30.4		ug/Kg		76	55 - 136
1,2-Dichloroethene, Total	80.0	68.3		ug/Kg		85	77 - 119
1,2-Dichloropropane	40.0	35.6		ug/Kg		89	77 - 119
1,4-Dioxane	800	858	J	ug/Kg		107	18 - 166
Ethylbenzene	40.0	36.8		ug/Kg		92	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433277/3
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	32.4		ug/Kg		81	42 - 152
Isopropylbenzene	40.0	36.4		ug/Kg		91	70 - 125
Methyl acetate	80.0	117		ug/Kg		146	20 - 170
Methylcyclohexane	40.0	32.5		ug/Kg		81	70 - 125
Methylene Chloride	40.0	36.9		ug/Kg		92	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.8		ug/Kg		102	51 - 147
Methyl tert-butyl ether	40.0	37.2		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	37.5		ug/Kg		94	77 - 120
o-Xylene	40.0	35.8		ug/Kg		90	78 - 118
Styrene	40.0	36.9		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	46.9		ug/Kg		117	36 - 170
Tetrachloroethene	40.0	38.7		ug/Kg		97	71 - 121
Toluene	40.0	35.4		ug/Kg		89	76 - 120
trans-1,2-Dichloroethene	40.0	32.5		ug/Kg		81	75 - 122
trans-1,3-Dichloropropene	40.0	39.3		ug/Kg		98	68 - 133
1,2,3-Trichlorobenzene	40.0	41.0		ug/Kg		103	29 - 166
1,2,4-Trichlorobenzene	40.0	38.0		ug/Kg		95	22 - 170
1,1,1-Trichloroethane	40.0	35.9		ug/Kg		90	72 - 134
1,1,2-Trichloroethane	40.0	40.4		ug/Kg		101	66 - 128
Trichloroethene	40.0	36.4		ug/Kg		91	69 - 118
Trichlorofluoromethane	40.0	14.2		ug/Kg		36	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	32.9		ug/Kg		82	59 - 135
Vinyl chloride	40.0	10.0	*-	ug/Kg		25	64 - 134
Xylenes, Total	80.0	73.3		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: LCSD 180-433277/4
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	50.3		ug/Kg		126	23 - 170	32	35
Benzene	40.0	35.1		ug/Kg		88	77 - 120	3	20
Bromoform	40.0	43.3		ug/Kg		108	37 - 147	3	23
Bromomethane	40.0	13.2	*-	ug/Kg		33	47 - 149	19	25
2-Butanone (MEK)	40.0	38.8		ug/Kg		97	39 - 157	22	33
Carbon disulfide	40.0	31.4		ug/Kg		79	40 - 156	7	25
Carbon tetrachloride	40.0	35.4		ug/Kg		88	73 - 130	1	21
Chlorobenzene	40.0	37.0		ug/Kg		92	79 - 122	1	20
Chlorobromomethane	40.0	40.2		ug/Kg		101	64 - 128	3	20
Chlorodibromomethane	40.0	40.6		ug/Kg		101	60 - 134	0	40
Chloroethane	40.0	14.1	*-	ug/Kg		35	37 - 159	23	25
Chloroform	40.0	36.7		ug/Kg		92	73 - 126	0	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433277/4
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	10.8	*-	ug/Kg		27	46 - 151	23	33
cis-1,2-Dichloroethene			40.0	36.4		ug/Kg		91	77 - 118	2	20
cis-1,3-Dichloropropene			40.0	41.2		ug/Kg		103	73 - 127	1	20
Cyclohexane			40.0	31.5		ug/Kg		79	63 - 143	7	25
1,2-Dibromo-3-Chloropropane			40.0	41.8		ug/Kg		104	30 - 163	0	34
1,2-Dibromoethane			40.0	41.1		ug/Kg		103	59 - 137	1	20
1,2-Dichlorobenzene			40.0	36.6		ug/Kg		92	76 - 120	2	20
1,3-Dichlorobenzene			40.0	36.6		ug/Kg		91	77 - 121	0	20
1,4-Dichlorobenzene			40.0	36.8		ug/Kg		92	79 - 120	0	20
Dichlorobromomethane			40.0	38.3		ug/Kg		96	75 - 123	3	20
Dichlorodifluoromethane			40.0	17.0	*1	ug/Kg		43	26 - 149	33	24
1,1-Dichloroethane			40.0	35.2		ug/Kg		88	73 - 124	3	20
1,2-Dichloroethane			40.0	41.6		ug/Kg		104	64 - 140	0	20
1,1-Dichloroethene			40.0	32.7		ug/Kg		82	55 - 136	7	21
1,2-Dichloroethene, Total			80.0	70.8		ug/Kg		89	77 - 119	4	20
1,2-Dichloropropane			40.0	36.9		ug/Kg		92	77 - 119	4	20
1,4-Dioxane			800	681	J	ug/Kg		85	18 - 166	23	40
Ethylbenzene			40.0	35.9		ug/Kg		90	79 - 119	2	20
2-Hexanone			40.0	41.3		ug/Kg		103	42 - 152	24	30
Isopropylbenzene			40.0	36.3		ug/Kg		91	70 - 125	0	21
Methyl acetate			80.0	134		ug/Kg		168	20 - 170	14	33
Methylcyclohexane			40.0	33.3		ug/Kg		83	70 - 125	2	22
Methylene Chloride			40.0	39.5		ug/Kg		99	67 - 131	7	32
4-Methyl-2-pentanone (MIBK)			40.0	41.9		ug/Kg		105	51 - 147	3	27
Methyl tert-butyl ether			40.0	39.5		ug/Kg		99	58 - 132	6	24
m-Xylene & p-Xylene			40.0	38.2		ug/Kg		95	77 - 120	2	20
o-Xylene			40.0	36.7		ug/Kg		92	78 - 118	2	20
Styrene			40.0	37.3		ug/Kg		93	80 - 120	1	20
1,1,2,2-Tetrachloroethane			40.0	47.7		ug/Kg		119	36 - 170	2	23
Tetrachloroethene			40.0	37.9		ug/Kg		95	71 - 121	2	21
Toluene			40.0	35.4		ug/Kg		88	76 - 120	0	20
trans-1,2-Dichloroethene			40.0	34.5		ug/Kg		86	75 - 122	6	20
trans-1,3-Dichloropropene			40.0	40.4		ug/Kg		101	68 - 133	3	20
1,2,3-Trichlorobenzene			40.0	39.9		ug/Kg		100	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	39.3		ug/Kg		98	22 - 170	3	29
1,1,1-Trichloroethane			40.0	36.1		ug/Kg		90	72 - 134	0	20
1,1,2-Trichloroethane			40.0	40.9		ug/Kg		102	66 - 128	1	21
Trichloroethene			40.0	36.8		ug/Kg		92	69 - 118	1	20
Trichlorofluoromethane			40.0	15.8		ug/Kg		39	32 - 149	10	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	35.7		ug/Kg		89	59 - 135	8	28
Vinyl chloride			40.0	11.7	*-	ug/Kg		29	64 - 134	15	23
Xylenes, Total			80.0	74.9		ug/Kg		94	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433277/4
Matrix: Solid
Analysis Batch: 433277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: MB 180-433384/12
Matrix: Solid
Analysis Batch: 433384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/26/23 11:04	1
Benzene	ND		5.0	1.4	ug/Kg			04/26/23 11:04	1
Bromoform	ND		5.0	2.5	ug/Kg			04/26/23 11:04	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/26/23 11:04	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/26/23 11:04	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/26/23 11:04	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/26/23 11:04	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/26/23 11:04	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/26/23 11:04	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/26/23 11:04	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/26/23 11:04	1
Chloroform	ND		5.0	1.6	ug/Kg			04/26/23 11:04	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/26/23 11:04	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/26/23 11:04	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/26/23 11:04	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/26/23 11:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/26/23 11:04	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/26/23 11:04	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/26/23 11:04	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/26/23 11:04	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/26/23 11:04	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/26/23 11:04	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/26/23 11:04	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/26/23 11:04	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/26/23 11:04	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/26/23 11:04	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/26/23 11:04	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/26/23 11:04	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/26/23 11:04	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/26/23 11:04	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/26/23 11:04	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/26/23 11:04	1
Methyl acetate	ND		25	7.4	ug/Kg			04/26/23 11:04	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/26/23 11:04	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/26/23 11:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/26/23 11:04	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/26/23 11:04	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/26/23 11:04	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/26/23 11:04	1
Styrene	ND		5.0	1.5	ug/Kg			04/26/23 11:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/26/23 11:04	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433384/12
Matrix: Solid
Analysis Batch: 433384

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/26/23 11:04	1
Toluene	ND		5.0	1.4	ug/Kg			04/26/23 11:04	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/26/23 11:04	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/26/23 11:04	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/26/23 11:04	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/26/23 11:04	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/26/23 11:04	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/26/23 11:04	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/26/23 11:04	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/26/23 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/26/23 11:04	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/26/23 11:04	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/26/23 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*		*04/26/23 11:04*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*04/26/23 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*		*04/26/23 11:04*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*		*04/26/23 11:04*	*1*

Lab Sample ID: LCS 180-433384/11
Matrix: Solid
Analysis Batch: 433384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	49.9		ug/Kg		125	23 - 170
Benzene	40.0	38.4		ug/Kg		96	77 - 120
Bromoform	40.0	40.6		ug/Kg		101	37 - 147
Bromomethane	40.0	27.9		ug/Kg		70	47 - 149
2-Butanone (MEK)	40.0	39.5		ug/Kg		99	39 - 157
Carbon disulfide	40.0	32.6		ug/Kg		81	40 - 156
Carbon tetrachloride	40.0	37.9		ug/Kg		95	73 - 130
Chlorobenzene	40.0	39.6		ug/Kg		99	79 - 122
Chlorobromomethane	40.0	39.2		ug/Kg		98	64 - 128
Chlorodibromomethane	40.0	40.7		ug/Kg		102	60 - 134
Chloroethane	40.0	40.4		ug/Kg		101	37 - 159
Chloroform	40.0	40.4		ug/Kg		101	73 - 126
Chloromethane	40.0	28.4		ug/Kg		71	46 - 151
cis-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	77 - 118
cis-1,3-Dichloropropene	40.0	44.1		ug/Kg		110	73 - 127
Cyclohexane	40.0	34.2		ug/Kg		86	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	39.8		ug/Kg		99	30 - 163
1,2-Dibromoethane	40.0	41.5		ug/Kg		104	59 - 137
1,2-Dichlorobenzene	40.0	38.6		ug/Kg		96	76 - 120
1,3-Dichlorobenzene	40.0	39.7		ug/Kg		99	77 - 121
1,4-Dichlorobenzene	40.0	39.9		ug/Kg		100	79 - 120
Dichlorobromomethane	40.0	40.2		ug/Kg		101	75 - 123
Dichlorodifluoromethane	40.0	41.7		ug/Kg		104	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433384/11
Matrix: Solid
Analysis Batch: 433384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	39.1		ug/Kg		98	73 - 124
1,2-Dichloroethane	40.0	41.6		ug/Kg		104	64 - 140
1,1-Dichloroethene	40.0	33.1		ug/Kg		83	55 - 136
1,2-Dichloroethene, Total	80.0	75.7		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	40.7		ug/Kg		102	77 - 119
1,4-Dioxane	800	726	J	ug/Kg		91	18 - 166
Ethylbenzene	40.0	39.6		ug/Kg		99	79 - 119
2-Hexanone	40.0	44.7		ug/Kg		112	42 - 152
Isopropylbenzene	40.0	39.6		ug/Kg		99	70 - 125
Methyl acetate	80.0	116		ug/Kg		145	20 - 170
Methylcyclohexane	40.0	35.8		ug/Kg		90	70 - 125
Methylene Chloride	40.0	41.4		ug/Kg		103	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	43.8		ug/Kg		110	51 - 147
Methyl tert-butyl ether	40.0	41.2		ug/Kg		103	58 - 132
m-Xylene & p-Xylene	40.0	41.8		ug/Kg		105	77 - 120
o-Xylene	40.0	40.0		ug/Kg		100	78 - 118
Styrene	40.0	40.4		ug/Kg		101	80 - 120
1,1,2,2-Tetrachloroethane	40.0	46.7		ug/Kg		117	36 - 170
Tetrachloroethene	40.0	38.6		ug/Kg		96	71 - 121
Toluene	40.0	38.2		ug/Kg		96	76 - 120
trans-1,2-Dichloroethene	40.0	36.0		ug/Kg		90	75 - 122
trans-1,3-Dichloropropene	40.0	41.7		ug/Kg		104	68 - 133
1,2,3-Trichlorobenzene	40.0	42.3		ug/Kg		106	29 - 166
1,2,4-Trichlorobenzene	40.0	41.8		ug/Kg		105	22 - 170
1,1,1-Trichloroethane	40.0	38.3		ug/Kg		96	72 - 134
1,1,2-Trichloroethane	40.0	40.8		ug/Kg		102	66 - 128
Trichloroethene	40.0	39.8		ug/Kg		99	69 - 118
Trichlorofluoromethane	40.0	41.7		ug/Kg		104	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.5		ug/Kg		86	59 - 135
Vinyl chloride	40.0	33.4		ug/Kg		83	64 - 134
Xylenes, Total	80.0	81.8		ug/Kg		102	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: MB 180-433694/10
Matrix: Solid
Analysis Batch: 433694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/28/23 13:00	1
Benzene	ND		5.0	1.4	ug/Kg			04/28/23 13:00	1
Bromoform	ND		5.0	2.5	ug/Kg			04/28/23 13:00	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/28/23 13:00	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/28/23 13:00	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433694/10
Matrix: Solid
Analysis Batch: 433694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/28/23 13:00	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/28/23 13:00	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/28/23 13:00	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/28/23 13:00	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/28/23 13:00	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/28/23 13:00	1
Chloroform	ND		5.0	1.6	ug/Kg			04/28/23 13:00	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/28/23 13:00	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/28/23 13:00	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/28/23 13:00	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/28/23 13:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/28/23 13:00	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/28/23 13:00	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/28/23 13:00	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/28/23 13:00	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/28/23 13:00	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/28/23 13:00	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/28/23 13:00	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/28/23 13:00	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/28/23 13:00	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/28/23 13:00	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/28/23 13:00	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/28/23 13:00	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/28/23 13:00	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/28/23 13:00	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/28/23 13:00	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/28/23 13:00	1
Methyl acetate	ND		25	7.4	ug/Kg			04/28/23 13:00	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/28/23 13:00	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/28/23 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/28/23 13:00	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/28/23 13:00	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/28/23 13:00	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/28/23 13:00	1
Styrene	ND		5.0	1.5	ug/Kg			04/28/23 13:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/28/23 13:00	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/28/23 13:00	1
Toluene	ND		5.0	1.4	ug/Kg			04/28/23 13:00	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/28/23 13:00	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/28/23 13:00	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/28/23 13:00	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/28/23 13:00	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/28/23 13:00	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/28/23 13:00	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/28/23 13:00	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/28/23 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/28/23 13:00	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/28/23 13:00	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/28/23 13:00	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		60 - 124		04/28/23 13:00	1
Dibromofluoromethane (Surr)	109		69 - 126		04/28/23 13:00	1
1,2-Dichloroethane-d4 (Surr)	116		73 - 135		04/28/23 13:00	1
Toluene-d8 (Surr)	103		67 - 134		04/28/23 13:00	1

Lab Sample ID: LCS 180-433694/8
Matrix: Solid
Analysis Batch: 433694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	41.1		ug/Kg		103	23 - 170
Benzene	40.0	36.9		ug/Kg		92	77 - 120
Bromoform	40.0	41.5		ug/Kg		104	37 - 147
Bromomethane	40.0	32.8		ug/Kg		82	47 - 149
2-Butanone (MEK)	40.0	33.4		ug/Kg		84	39 - 157
Carbon disulfide	40.0	29.7		ug/Kg		74	40 - 156
Carbon tetrachloride	40.0	31.8		ug/Kg		79	73 - 130
Chlorobenzene	40.0	37.3		ug/Kg		93	79 - 122
Chlorobromomethane	40.0	35.0		ug/Kg		88	64 - 128
Chlorodibromomethane	40.0	39.4		ug/Kg		99	60 - 134
Chloroethane	40.0	40.4		ug/Kg		101	37 - 159
Chloroform	40.0	35.3		ug/Kg		88	73 - 126
Chloromethane	40.0	36.0		ug/Kg		90	46 - 151
cis-1,2-Dichloroethene	40.0	32.7		ug/Kg		82	77 - 118
cis-1,3-Dichloropropene	40.0	40.7		ug/Kg		102	73 - 127
Cyclohexane	40.0	32.4		ug/Kg		81	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.1		ug/Kg		103	30 - 163
1,2-Dibromoethane	40.0	40.1		ug/Kg		100	59 - 137
1,2-Dichlorobenzene	40.0	36.8		ug/Kg		92	76 - 120
1,3-Dichlorobenzene	40.0	37.0		ug/Kg		93	77 - 121
1,4-Dichlorobenzene	40.0	37.6		ug/Kg		94	79 - 120
Dichlorobromomethane	40.0	36.7		ug/Kg		92	75 - 123
Dichlorodifluoromethane	40.0	33.2		ug/Kg		83	26 - 149
1,1-Dichloroethane	40.0	34.6		ug/Kg		87	73 - 124
1,2-Dichloroethane	40.0	39.1		ug/Kg		98	64 - 140
1,1-Dichloroethene	40.0	29.6		ug/Kg		74	55 - 136
1,2-Dichloroethene, Total	80.0	65.7		ug/Kg		82	77 - 119
1,2-Dichloropropane	40.0	39.7		ug/Kg		99	77 - 119
1,4-Dioxane	800	864	J	ug/Kg		108	18 - 166
Ethylbenzene	40.0	36.6		ug/Kg		91	79 - 119
2-Hexanone	40.0	45.2		ug/Kg		113	42 - 152
Isopropylbenzene	40.0	36.6		ug/Kg		92	70 - 125
Methyl acetate	80.0	107		ug/Kg		134	20 - 170
Methylcyclohexane	40.0	34.0		ug/Kg		85	70 - 125
Methylene Chloride	40.0	35.4		ug/Kg		88	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	47.3		ug/Kg		118	51 - 147
Methyl tert-butyl ether	40.0	38.7		ug/Kg		97	58 - 132
m-Xylene & p-Xylene	40.0	38.7		ug/Kg		97	77 - 120
o-Xylene	40.0	36.9		ug/Kg		92	78 - 118
Styrene	40.0	37.5		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	44.9		ug/Kg		112	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433694/8
Matrix: Solid
Analysis Batch: 433694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	38.3		ug/Kg		96	71 - 121
Toluene	40.0	40.2		ug/Kg		101	76 - 120
trans-1,2-Dichloroethene	40.0	33.0		ug/Kg		82	75 - 122
trans-1,3-Dichloropropene	40.0	41.9		ug/Kg		105	68 - 133
1,2,3-Trichlorobenzene	40.0	40.6		ug/Kg		101	29 - 166
1,2,4-Trichlorobenzene	40.0	40.0		ug/Kg		100	22 - 170
1,1,1-Trichloroethane	40.0	33.3		ug/Kg		83	72 - 134
1,1,2-Trichloroethane	40.0	40.1		ug/Kg		100	66 - 128
Trichloroethene	40.0	35.6		ug/Kg		89	69 - 118
Trichlorofluoromethane	40.0	35.9		ug/Kg		90	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	29.7		ug/Kg		74	59 - 135
Vinyl chloride	40.0	46.1		ug/Kg		115	64 - 134
Xylenes, Total	80.0	75.6		ug/Kg		95	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*
Toluene-d8 (Surr)	*111*		*67 - 134*

Lab Sample ID: LCSD 180-433694/14
Matrix: Solid
Analysis Batch: 433694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	53.7		ug/Kg		134	23 - 170	27	35
Benzene	40.0	35.9		ug/Kg		90	77 - 120	3	20
Bromoform	40.0	45.2		ug/Kg		113	37 - 147	9	23
Bromomethane	40.0	26.4		ug/Kg		66	47 - 149	22	25
2-Butanone (MEK)	40.0	43.7		ug/Kg		109	39 - 157	27	33
Carbon disulfide	40.0	26.6		ug/Kg		67	40 - 156	11	25
Carbon tetrachloride	40.0	31.7		ug/Kg		79	73 - 130	0	21
Chlorobenzene	40.0	35.0		ug/Kg		88	79 - 122	6	20
Chlorobromomethane	40.0	38.1		ug/Kg		95	64 - 128	8	20
Chlorodibromomethane	40.0	41.3		ug/Kg		103	60 - 134	5	40
Chloroethane	40.0	43.7		ug/Kg		109	37 - 159	8	25
Chloroform	40.0	36.8		ug/Kg		92	73 - 126	4	20
Chloromethane	40.0	33.9		ug/Kg		85	46 - 151	6	33
cis-1,2-Dichloroethene	40.0	34.3		ug/Kg		86	77 - 118	5	20
cis-1,3-Dichloropropene	40.0	47.4		ug/Kg		119	73 - 127	15	20
Cyclohexane	40.0	28.9		ug/Kg		72	63 - 143	11	25
1,2-Dibromo-3-Chloropropane	40.0	53.4		ug/Kg		134	30 - 163	26	34
1,2-Dibromoethane	40.0	42.4		ug/Kg		106	59 - 137	6	20
1,2-Dichlorobenzene	40.0	37.6		ug/Kg		94	76 - 120	2	20
1,3-Dichlorobenzene	40.0	37.4		ug/Kg		93	77 - 121	1	20
1,4-Dichlorobenzene	40.0	37.6		ug/Kg		94	79 - 120	0	20
Dichlorobromomethane	40.0	40.8		ug/Kg		102	75 - 123	10	20
Dichlorodifluoromethane	40.0	30.4		ug/Kg		76	26 - 149	9	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433694/14
Matrix: Solid
Analysis Batch: 433694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane			40.0	32.2		ug/Kg		80	73 - 124	7	20
1,2-Dichloroethane			40.0	41.6		ug/Kg		104	64 - 140	6	20
1,1-Dichloroethene			40.0	29.7		ug/Kg		74	55 - 136	0	21
1,2-Dichloroethene, Total			80.0	63.1		ug/Kg		79	77 - 119	4	20
1,2-Dichloropropane			40.0	43.2		ug/Kg		108	77 - 119	8	20
1,4-Dioxane			800	1090		ug/Kg		137	18 - 166	23	40
Ethylbenzene			40.0	34.4		ug/Kg		86	79 - 119	6	20
2-Hexanone			40.0	49.4		ug/Kg		123	42 - 152	9	30
Isopropylbenzene			40.0	35.1		ug/Kg		88	70 - 125	4	21
Methyl acetate			80.0	103		ug/Kg		129	20 - 170	4	33
Methylcyclohexane			40.0	35.6		ug/Kg		89	70 - 125	4	22
Methylene Chloride			40.0	34.2		ug/Kg		85	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	55.2		ug/Kg		138	51 - 147	15	27
Methyl tert-butyl ether			40.0	39.1		ug/Kg		98	58 - 132	1	24
m-Xylene & p-Xylene			40.0	35.9		ug/Kg		90	77 - 120	7	20
o-Xylene			40.0	36.2		ug/Kg		90	78 - 118	2	20
Styrene			40.0	36.5		ug/Kg		91	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	51.0		ug/Kg		128	36 - 170	13	23
Tetrachloroethene			40.0	35.0		ug/Kg		87	71 - 121	9	21
Toluene			40.0	39.3		ug/Kg		98	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	28.8	*-	ug/Kg		72	75 - 122	13	20
trans-1,3-Dichloropropene			40.0	48.7		ug/Kg		122	68 - 133	15	20
1,2,3-Trichlorobenzene			40.0	45.8		ug/Kg		115	29 - 166	12	40
1,2,4-Trichlorobenzene			40.0	45.9		ug/Kg		115	22 - 170	14	29
1,1,1-Trichloroethane			40.0	33.4		ug/Kg		84	72 - 134	0	20
1,1,2-Trichloroethane			40.0	46.1		ug/Kg		115	66 - 128	14	21
Trichloroethene			40.0	36.2		ug/Kg		90	69 - 118	2	20
Trichlorofluoromethane			40.0	32.5		ug/Kg		81	32 - 149	10	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	33.2		ug/Kg		83	59 - 135	11	28
Vinyl chloride			40.0	40.9		ug/Kg		102	64 - 134	12	23
Xylenes, Total			80.0	72.1		ug/Kg		90	78 - 118	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*95*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-433184/1-A
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Acenaphthylene	ND		67	15	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Acetophenone	ND		670	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-433184/1-A
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Atrazine	ND		670	150	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Benzaldehyde	ND		670	41	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Caprolactam	ND		1700	220	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Carbazole	ND		67	16	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4-Chloroaniline	ND		330	88	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2-Chlorophenol	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Chrysene	ND		67	37	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Dibenzofuran	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Diethyl phthalate	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
1,4-Dioxane	ND		670	100	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Fluoranthene	ND		67	18	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Fluorene	ND		67	13	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Hexachloroethane	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Isophorone	ND		330	130	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2-Methylphenol	ND		330	96	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Naphthalene	ND		67	13	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/24/23 10:04	04/25/23 07:47	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-433184/1-A
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Nitrobenzene	ND		670	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2-Nitrophenol	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Phenanthrene	ND		67	18	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Phenol	ND		330	100	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
Pyrene	ND		67	16	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/24/23 10:04	04/25/23 07:47	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/24/23 10:04	04/25/23 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/24/23 10:04*	*04/25/23 07:47*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*04/24/23 10:04*	*04/25/23 07:47*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*04/24/23 10:04*	*04/25/23 07:47*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*04/24/23 10:04*	*04/25/23 07:47*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*04/24/23 10:04*	*04/25/23 07:47*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*04/24/23 10:04*	*04/25/23 07:47*	*1*

Lab Sample ID: LCS 180-433184/2-A
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4980		ug/Kg		75	50 - 100
Acenaphthylene	6670	5020		ug/Kg		75	52 - 100
Acetophenone	6670	4930		ug/Kg		74	48 - 100
Anthracene	6670	4940		ug/Kg		74	53 - 100
Atrazine	6670	5010		ug/Kg		75	49 - 103
Benzaldehyde	6670	4040		ug/Kg		61	23 - 105
Benzo[a]anthracene	6670	5060		ug/Kg		76	51 - 100
Benzo[a]pyrene	6670	4950		ug/Kg		74	51 - 100
Benzo[b]fluoranthene	6670	4940		ug/Kg		74	48 - 100
Benzo[g,h,i]perylene	6670	4970		ug/Kg		75	48 - 105
Benzo[k]fluoranthene	6670	4540		ug/Kg		68	19 - 100
1,1'-Biphenyl	6670	4910		ug/Kg		74	50 - 100
Bis(2-chloroethoxy)methane	6670	4390		ug/Kg		66	49 - 100
Bis(2-chloroethyl)ether	6670	5260		ug/Kg		79	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5030		ug/Kg		75	53 - 107
4-Bromophenyl phenyl ether	6670	5230		ug/Kg		78	52 - 101
Butyl benzyl phthalate	6670	5360		ug/Kg		80	52 - 107
Caprolactam	6670	5740		ug/Kg		86	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-433184/2-A
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4800		ug/Kg		72	53 - 100
4-Chloroaniline	6670	4970		ug/Kg		75	47 - 100
4-Chloro-3-methylphenol	6670	5490		ug/Kg		82	49 - 106
2-Chloronaphthalene	6670	4620		ug/Kg		69	51 - 100
2-Chlorophenol	6670	4940		ug/Kg		74	51 - 100
4-Chlorophenyl phenyl ether	6670	5120		ug/Kg		77	52 - 100
Chrysene	6670	4710		ug/Kg		71	50 - 100
Dibenz(a,h)anthracene	6670	5040		ug/Kg		76	50 - 107
Dibenzofuran	6670	4750		ug/Kg		71	52 - 100
3,3'-Dichlorobenzidine	6670	4840		ug/Kg		73	43 - 100
2,4-Dichlorophenol	6670	5410		ug/Kg		81	53 - 101
Diethyl phthalate	6670	4730		ug/Kg		71	48 - 104
2,4-Dimethylphenol	6670	5230		ug/Kg		78	51 - 101
Dimethyl phthalate	6670	5010		ug/Kg		75	53 - 100
Di-n-butyl phthalate	6670	5090		ug/Kg		76	57 - 102
4,6-Dinitro-2-methylphenol	13300	12200		ug/Kg		91	51 - 100
2,4-Dinitrophenol	13300	11400		ug/Kg		86	33 - 101
2,4-Dinitrotoluene	6670	5490		ug/Kg		82	54 - 104
2,6-Dinitrotoluene	6670	5250		ug/Kg		79	51 - 106
Di-n-octyl phthalate	6670	4910		ug/Kg		74	41 - 106
1,4-Dioxane	6670	5250		ug/Kg		79	25 - 125
Fluoranthene	6670	5210		ug/Kg		78	55 - 100
Fluorene	6670	4770		ug/Kg		72	52 - 100
Hexachlorobenzene	6670	4840		ug/Kg		73	49 - 100
Hexachlorobutadiene	6670	4940		ug/Kg		74	38 - 107
Hexachlorocyclopentadiene	6670	5230		ug/Kg		79	33 - 117
Hexachloroethane	6670	4960		ug/Kg		74	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4950		ug/Kg		74	51 - 103
Isophorone	6670	5700		ug/Kg		86	48 - 105
2-Methylnaphthalene	6670	5100		ug/Kg		76	53 - 100
2-Methylphenol	6670	5050		ug/Kg		76	50 - 101
Methylphenol, 3 & 4	6670	5190		ug/Kg		78	50 - 103
Naphthalene	6670	4900		ug/Kg		73	51 - 100
2-Nitroaniline	6670	5600		ug/Kg		84	42 - 123
3-Nitroaniline	6670	5210		ug/Kg		78	50 - 103
4-Nitroaniline	6670	5020		ug/Kg		75	52 - 103
Nitrobenzene	6670	5550		ug/Kg		83	44 - 108
2-Nitrophenol	6670	5750		ug/Kg		86	55 - 107
4-Nitrophenol	13300	8610		ug/Kg		65	30 - 134
N-Nitrosodi-n-propylamine	6670	5610		ug/Kg		84	45 - 107
N-Nitrosodiphenylamine	6670	5190		ug/Kg		78	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5030		ug/Kg		76	30 - 113
Pentachlorophenol	13300	10100		ug/Kg		76	42 - 110
Phenanthrene	6670	4700		ug/Kg		71	53 - 100
Phenol	6670	5360		ug/Kg		80	49 - 100
Pyrene	6670	5170		ug/Kg		78	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5040		ug/Kg		76	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5120		ug/Kg		77	47 - 104
2,4,5-Trichlorophenol	6670	5260		ug/Kg		79	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-433184/2-A
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433184

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	5470		ug/Kg		82	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*
Phenol-d5 (Surr)	*81*		*46 - 105*
Terphenyl-d14 (Surr)	*79*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*73*		*34 - 108*

Lab Sample ID: 180-155142-3 MS
Matrix: Solid
Analysis Batch: 433263

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 433184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		6530	4480		ug/Kg	☼	69	50 - 100		
Acenaphthylene	ND		6530	4530		ug/Kg	☼	69	52 - 100		
Acetophenone	ND		6530	4190		ug/Kg	☼	64	48 - 100		
Anthracene	ND		6530	4410		ug/Kg	☼	68	53 - 100		
Atrazine	ND		6530	4370		ug/Kg	☼	67	49 - 103		
Benzaldehyde	ND		6530	3710		ug/Kg	☼	57	23 - 105		
Benzo[a]anthracene	ND		6530	4730		ug/Kg	☼	72	51 - 100		
Benzo[a]pyrene	ND		6530	4580		ug/Kg	☼	70	51 - 100		
Benzo[b]fluoranthene	ND		6530	4680		ug/Kg	☼	72	48 - 100		
Benzo[g,h,i]perylene	ND		6530	4610		ug/Kg	☼	71	48 - 105		
Benzo[k]fluoranthene	ND		6530	4140		ug/Kg	☼	63	19 - 100		
1,1'-Biphenyl	ND		6530	4380		ug/Kg	☼	67	50 - 100		
Bis(2-chloroethoxy)methane	ND		6530	3910		ug/Kg	☼	60	49 - 100		
Bis(2-chloroethyl)ether	ND		6530	4370		ug/Kg	☼	67	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		6530	4690		ug/Kg	☼	72	53 - 107		
4-Bromophenyl phenyl ether	ND		6530	4700		ug/Kg	☼	72	52 - 101		
Butyl benzyl phthalate	ND		6530	5000		ug/Kg	☼	77	52 - 107		
Caprolactam	ND		6530	4120		ug/Kg	☼	63	48 - 111		
Carbazole	ND		6530	4300		ug/Kg	☼	66	53 - 100		
4-Chloroaniline	ND		6530	3890		ug/Kg	☼	60	47 - 100		
4-Chloro-3-methylphenol	ND		6530	4640		ug/Kg	☼	71	49 - 106		
2-Chloronaphthalene	ND		6530	4190		ug/Kg	☼	64	51 - 100		
2-Chlorophenol	ND		6530	4260		ug/Kg	☼	65	51 - 100		
4-Chlorophenyl phenyl ether	ND		6530	4580		ug/Kg	☼	70	52 - 100		
Chrysene	ND		6530	4430		ug/Kg	☼	68	50 - 100		
Dibenz(a,h)anthracene	ND		6530	4630		ug/Kg	☼	71	50 - 107		
Dibenzofuran	ND		6530	4330		ug/Kg	☼	66	52 - 100		
3,3'-Dichlorobenzidine	ND		6530	4200		ug/Kg	☼	64	43 - 100		
2,4-Dichlorophenol	ND		6530	4650		ug/Kg	☼	71	53 - 101		
Diethyl phthalate	ND		6530	4250		ug/Kg	☼	65	48 - 104		
2,4-Dimethylphenol	ND		6530	4400		ug/Kg	☼	67	51 - 101		
Dimethyl phthalate	ND		6530	4560		ug/Kg	☼	70	53 - 100		
Di-n-butyl phthalate	ND		6530	4650		ug/Kg	☼	71	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-155142-3 MS
Client Sample ID: SSHS-IRM5A2-HR-B35
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433263
Prep Batch: 433184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		13100	8790		ug/Kg	☼	67	51 - 100
2,4-Dinitrophenol	ND		13100	5100		ug/Kg	☼	39	33 - 101
2,4-Dinitrotoluene	ND		6530	4900		ug/Kg	☼	75	54 - 104
2,6-Dinitrotoluene	ND		6530	4660		ug/Kg	☼	71	51 - 106
Di-n-octyl phthalate	ND		6530	4610		ug/Kg	☼	71	41 - 106
1,4-Dioxane	ND		6530	3460		ug/Kg	☼	53	25 - 125
Fluoranthene	ND		6530	4690		ug/Kg	☼	72	55 - 100
Fluorene	ND		6530	4370		ug/Kg	☼	67	52 - 100
Hexachlorobenzene	ND		6530	4440		ug/Kg	☼	68	49 - 100
Hexachlorobutadiene	ND		6530	4300		ug/Kg	☼	66	38 - 107
Hexachlorocyclopentadiene	ND		6530	4580		ug/Kg	☼	70	33 - 117
Hexachloroethane	ND		6530	4060		ug/Kg	☼	62	47 - 100
Indeno[1,2,3-cd]pyrene	ND		6530	4600		ug/Kg	☼	70	51 - 103
Isophorone	ND		6530	4880		ug/Kg	☼	75	48 - 105
2-Methylnaphthalene	ND		6530	4370		ug/Kg	☼	67	53 - 100
2-Methylphenol	ND		6530	4440		ug/Kg	☼	68	50 - 101
Methylphenol, 3 & 4	ND		6530	4580		ug/Kg	☼	70	50 - 103
Naphthalene	ND		6530	4290		ug/Kg	☼	66	51 - 100
2-Nitroaniline	ND		6530	4850		ug/Kg	☼	74	42 - 123
3-Nitroaniline	ND		6530	4360		ug/Kg	☼	67	50 - 103
4-Nitroaniline	ND		6530	4170		ug/Kg	☼	64	52 - 103
Nitrobenzene	ND		6530	4820		ug/Kg	☼	74	44 - 108
2-Nitrophenol	ND		6530	4870		ug/Kg	☼	75	55 - 107
4-Nitrophenol	ND		13100	7390		ug/Kg	☼	57	30 - 134
N-Nitrosodi-n-propylamine	ND		6530	4840		ug/Kg	☼	74	45 - 107
N-Nitrosodiphenylamine	ND		6530	4640		ug/Kg	☼	71	52 - 100
2,2'-oxybis[1-chloropropane]	ND		6530	4240		ug/Kg	☼	65	30 - 113
Pentachlorophenol	ND		13100	8010		ug/Kg	☼	61	42 - 110
Phenanthrene	ND		6530	4220		ug/Kg	☼	65	53 - 100
Phenol	ND		6530	4610		ug/Kg	☼	71	49 - 100
Pyrene	ND		6530	4780		ug/Kg	☼	73	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		6530	4560		ug/Kg	☼	70	41 - 104
2,3,4,6-Tetrachlorophenol	ND		6530	4440		ug/Kg	☼	68	47 - 104
2,4,5-Trichlorophenol	ND		6530	4730		ug/Kg	☼	72	50 - 104
2,4,6-Trichlorophenol	ND		6530	4960		ug/Kg	☼	76	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*68*		*48 - 105*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*
Phenol-d5 (Surr)	*72*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-155142-3 MSD
Client Sample ID: SSHS-IRM5A2-HR-B35
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433263
Prep Batch: 433184

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		6620	4390		ug/Kg	☼	66	50 - 100	2	20
Acenaphthylene	ND		6620	4450		ug/Kg	☼	67	52 - 100	2	20
Acetophenone	ND		6620	4290		ug/Kg	☼	65	48 - 100	2	17
Anthracene	ND		6620	4500		ug/Kg	☼	68	53 - 100	2	20
Atrazine	ND		6620	4460		ug/Kg	☼	67	49 - 103	2	19
Benzaldehyde	ND		6620	3790		ug/Kg	☼	57	23 - 105	2	31
Benzo[a]anthracene	ND		6620	4690		ug/Kg	☼	71	51 - 100	1	21
Benzo[a]pyrene	ND		6620	4840		ug/Kg	☼	73	51 - 100	5	20
Benzo[b]fluoranthene	ND		6620	4560		ug/Kg	☼	69	48 - 100	3	20
Benzo[g,h,i]perylene	ND		6620	4680		ug/Kg	☼	71	48 - 105	2	19
Benzo[k]fluoranthene	ND		6620	4550		ug/Kg	☼	69	19 - 100	9	20
1,1'-Biphenyl	ND		6620	4370		ug/Kg	☼	66	50 - 100	0	19
Bis(2-chloroethoxy)methane	ND		6620	3940		ug/Kg	☼	60	49 - 100	1	20
Bis(2-chloroethyl)ether	ND		6620	4290		ug/Kg	☼	65	48 - 100	2	18
Bis(2-ethylhexyl) phthalate	ND		6620	4580		ug/Kg	☼	69	53 - 107	2	20
4-Bromophenyl phenyl ether	ND		6620	4800		ug/Kg	☼	73	52 - 101	2	20
Butyl benzyl phthalate	ND		6620	4960		ug/Kg	☼	75	52 - 107	1	19
Caprolactam	ND		6620	4370		ug/Kg	☼	66	48 - 111	6	23
Carbazole	ND		6620	4400		ug/Kg	☼	67	53 - 100	2	20
4-Chloroaniline	ND		6620	3960		ug/Kg	☼	60	47 - 100	2	20
4-Chloro-3-methylphenol	ND		6620	4770		ug/Kg	☼	72	49 - 106	3	20
2-Chloronaphthalene	ND		6620	4080		ug/Kg	☼	62	51 - 100	3	20
2-Chlorophenol	ND		6620	4280		ug/Kg	☼	65	51 - 100	1	17
4-Chlorophenyl phenyl ether	ND		6620	4430		ug/Kg	☼	67	52 - 100	3	19
Chrysene	ND		6620	4250		ug/Kg	☼	64	50 - 100	4	20
Dibenz(a,h)anthracene	ND		6620	4760		ug/Kg	☼	72	50 - 107	3	21
Dibenzofuran	ND		6620	4290		ug/Kg	☼	65	52 - 100	1	19
3,3'-Dichlorobenzidine	ND		6620	4180		ug/Kg	☼	63	43 - 100	1	19
2,4-Dichlorophenol	ND		6620	4650		ug/Kg	☼	70	53 - 101	0	22
Diethyl phthalate	ND		6620	4190		ug/Kg	☼	63	48 - 104	1	20
2,4-Dimethylphenol	ND		6620	4470		ug/Kg	☼	68	51 - 101	2	32
Dimethyl phthalate	ND		6620	4470		ug/Kg	☼	68	53 - 100	2	21
Di-n-butyl phthalate	ND		6620	4760		ug/Kg	☼	72	57 - 102	2	20
4,6-Dinitro-2-methylphenol	ND		13200	8970		ug/Kg	☼	68	51 - 100	2	22
2,4-Dinitrophenol	ND		13200	4930		ug/Kg	☼	37	33 - 101	3	20
2,4-Dinitrotoluene	ND		6620	4780		ug/Kg	☼	72	54 - 104	2	20
2,6-Dinitrotoluene	ND		6620	4650		ug/Kg	☼	70	51 - 106	0	20
Di-n-octyl phthalate	ND		6620	4810		ug/Kg	☼	73	41 - 106	4	18
1,4-Dioxane	ND		6620	3370		ug/Kg	☼	51	25 - 125	3	17
Fluoranthene	ND		6620	4750		ug/Kg	☼	72	55 - 100	1	20
Fluorene	ND		6620	4260		ug/Kg	☼	64	52 - 100	3	19
Hexachlorobenzene	ND		6620	4450		ug/Kg	☼	67	49 - 100	0	20
Hexachlorobutadiene	ND		6620	4370		ug/Kg	☼	66	38 - 107	2	22
Hexachlorocyclopentadiene	ND		6620	4600		ug/Kg	☼	69	33 - 117	0	19
Hexachloroethane	ND		6620	4070		ug/Kg	☼	61	47 - 100	0	17
Indeno[1,2,3-cd]pyrene	ND		6620	4760		ug/Kg	☼	72	51 - 103	3	19
Isophorone	ND		6620	5010		ug/Kg	☼	76	48 - 105	3	20
2-Methylnaphthalene	ND		6620	4490		ug/Kg	☼	68	53 - 100	3	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-155142-3 MSD
Client Sample ID: SSHS-IRM5A2-HR-B35
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433263
Prep Batch: 433184

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		6620	4590		ug/Kg	☼	69	50 - 101	3	17
Methylphenol, 3 & 4	ND		6620	4580		ug/Kg	☼	69	50 - 103	0	19
Naphthalene	ND		6620	4290		ug/Kg	☼	65	51 - 100	0	20
2-Nitroaniline	ND		6620	4790		ug/Kg	☼	72	42 - 123	1	19
3-Nitroaniline	ND		6620	4220		ug/Kg	☼	64	50 - 103	3	20
4-Nitroaniline	ND		6620	4290		ug/Kg	☼	65	52 - 103	3	18
Nitrobenzene	ND		6620	4790		ug/Kg	☼	72	44 - 108	1	21
2-Nitrophenol	ND		6620	4950		ug/Kg	☼	75	55 - 107	2	19
4-Nitrophenol	ND		13200	7510		ug/Kg	☼	57	30 - 134	2	18
N-Nitrosodi-n-propylamine	ND		6620	4930		ug/Kg	☼	74	45 - 107	2	18
N-Nitrosodiphenylamine	ND		6620	4680		ug/Kg	☼	71	52 - 100	1	20
2,2'-oxybis[1-chloropropane]	ND		6620	4270		ug/Kg	☼	65	30 - 113	1	17
Pentachlorophenol	ND		13200	8180		ug/Kg	☼	62	42 - 110	2	20
Phenanthrene	ND		6620	4350		ug/Kg	☼	66	53 - 100	3	20
Phenol	ND		6620	4600		ug/Kg	☼	69	49 - 100	0	16
Pyrene	ND		6620	4830		ug/Kg	☼	73	52 - 100	1	20
1,2,4,5-Tetrachlorobenzene	ND		6620	4480		ug/Kg	☼	68	41 - 104	2	21
2,3,4,6-Tetrachlorophenol	ND		6620	4430		ug/Kg	☼	67	47 - 104	0	18
2,4,5-Trichlorophenol	ND		6620	4530		ug/Kg	☼	68	50 - 104	4	21
2,4,6-Trichlorophenol	ND		6620	4870		ug/Kg	☼	74	50 - 105	2	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*44 - 105*
2-Fluorophenol (Surr)	*67*		*48 - 105*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*
Phenol-d5 (Surr)	*72*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-432885/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433079
Prep Batch: 432885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1221	ND		17	5.9	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1232	ND		17	4.1	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1242	ND		17	2.4	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1248	ND		17	4.0	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1254	ND		17	5.0	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1260	ND		17	4.7	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1262	ND		17	5.9	ug/Kg		04/20/23 10:07	04/22/23 22:11	1
PCB-1268	ND		17	2.2	ug/Kg		04/20/23 10:07	04/22/23 22:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*04/20/23 10:07*	*04/22/23 22:11*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-432885/1-C
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432885

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		63 - 138	04/20/23 10:07	04/22/23 22:11	1
Tetrachloro-m-xylene (Surr)	90		55 - 135	04/20/23 10:07	04/22/23 22:11	1
Tetrachloro-m-xylene (Surr)	77		55 - 135	04/20/23 10:07	04/22/23 22:11	1

Lab Sample ID: LCS 180-432885/2-C
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432885

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1320	1270		ug/Kg		96	43 - 136		
PCB-1260			1320	1220		ug/Kg		92	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	115		63 - 138
DCB Decachlorobiphenyl (Surr)	112		63 - 138
Tetrachloro-m-xylene (Surr)	105		55 - 135
Tetrachloro-m-xylene (Surr)	100		55 - 135

Lab Sample ID: 180-155142-3 MS
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432885

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1340	1270		ug/Kg	☼	95	43 - 136		
PCB-1260	ND		1340	1240		ug/Kg	☼	93	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	118		63 - 138
DCB Decachlorobiphenyl (Surr)	134		63 - 138
Tetrachloro-m-xylene (Surr)	113		55 - 135
Tetrachloro-m-xylene (Surr)	103		55 - 135

Lab Sample ID: 180-155142-3 MSD
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432885

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1340	1200		ug/Kg	☼	89	43 - 136	6	40
PCB-1260	ND		1340	1110		ug/Kg	☼	83	55 - 128	11	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	107		63 - 138
DCB Decachlorobiphenyl (Surr)	116		63 - 138
Tetrachloro-m-xylene (Surr)	99		55 - 135
Tetrachloro-m-xylene (Surr)	91		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-432886/1-A
Matrix: Solid
Analysis Batch: 433957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Antimony	ND		1.0	0.30	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Arsenic	ND		1.0	0.63	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Barium	ND		20	3.6	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Beryllium	ND		0.40	0.11	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Cadmium	ND		0.50	0.073	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Calcium	ND		500	65	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Chromium	ND		0.50	0.46	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Cobalt	ND		5.0	0.70	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Copper	ND		2.5	1.5	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Iron	ND		10	9.7	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Lead	ND		1.0	0.87	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Magnesium	ND		500	55	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Manganese	ND		1.5	0.28	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Nickel	ND		4.0	0.50	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Potassium	ND		500	85	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Selenium	ND		1.0	0.46	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Silver	ND		0.50	0.10	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Sodium	ND		500	51	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Thallium	ND		2.0	0.28	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Vanadium	ND		5.0	0.79	mg/Kg		04/20/23 10:11	05/01/23 19:14	1
Zinc	2.92		2.0	1.5	mg/Kg		04/20/23 10:11	05/01/23 19:14	1

Lab Sample ID: LCS 180-432886/2-A
Matrix: Solid
Analysis Batch: 433957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	500		mg/Kg		100	80 - 120
Antimony	25.0	24.1		mg/Kg		97	80 - 120
Arsenic	100	101		mg/Kg		101	80 - 120
Barium	100	99.6		mg/Kg		100	80 - 120
Beryllium	50.0	48.8		mg/Kg		98	80 - 120
Cadmium	50.0	47.1		mg/Kg		94	80 - 120
Calcium	2500	2480		mg/Kg		99	80 - 120
Chromium	50.0	49.6		mg/Kg		99	80 - 120
Cobalt	50.0	48.9		mg/Kg		98	80 - 120
Copper	50.0	50.0		mg/Kg		100	80 - 120
Iron	500	492		mg/Kg		98	80 - 120
Lead	50.0	48.3		mg/Kg		97	80 - 120
Magnesium	2500	2400		mg/Kg		96	80 - 120
Manganese	50.0	47.6		mg/Kg		95	80 - 120
Nickel	50.0	49.3		mg/Kg		99	80 - 120
Potassium	2500	2430		mg/Kg		97	80 - 120
Selenium	100	98.6		mg/Kg		99	80 - 120
Silver	25.0	24.3		mg/Kg		97	80 - 120
Sodium	2500	2530		mg/Kg		101	80 - 120
Thallium	100	96.9		mg/Kg		97	80 - 120
Vanadium	50.0	49.3		mg/Kg		99	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-432886/2-A
Matrix: Solid
Analysis Batch: 433957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	25.0	26.1		mg/Kg		105	80 - 120

Lab Sample ID: 180-155142-3 MS
Matrix: Solid
Analysis Batch: 433957

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9600		261	9840	4	mg/Kg	☼	72	75 - 125
Antimony	0.24	J F2 F1	13.0	5.35	F1	mg/Kg	☼	39	75 - 125
Barium	71	F2	52.2	113		mg/Kg	☼	80	75 - 125
Beryllium	0.47	F2	26.1	19.9		mg/Kg	☼	75	75 - 125
Calcium	6800	F2	1300	9270	4	mg/Kg	☼	193	75 - 125
Chromium	12	F2 F1	26.1	31.3	F1	mg/Kg	☼	72	75 - 125
Cobalt	11	F2	26.1	34.9		mg/Kg	☼	92	75 - 125
Copper	40	F2 F1	26.1	39.2	F1	mg/Kg	☼	-1	75 - 125
Magnesium	3200	F1	1300	4000	F1	mg/Kg	☼	64	75 - 125
Manganese	470	F2	26.1	433	4	mg/Kg	☼	-154	75 - 125
Nickel	25	F2	26.1	47.2		mg/Kg	☼	87	75 - 125
Potassium	480		1300	1590		mg/Kg	☼	85	75 - 125
Selenium	ND	F2	52.2	39.2		mg/Kg	☼	75	75 - 125
Silver	ND	F2	13.0	10.2		mg/Kg	☼	78	75 - 125
Sodium	42	J F2	1300	1140		mg/Kg	☼	84	75 - 125
Vanadium	13	F2	26.1	33.1		mg/Kg	☼	76	75 - 125
Zinc	54	B	13.0	58.7	4	mg/Kg	☼	39	75 - 125

Lab Sample ID: 180-155142-3 MS
Matrix: Solid
Analysis Batch: 434075

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	12	F2	52.2	57.9		mg/Kg	☼	88	75 - 125
Cadmium	0.37	J F2	26.1	21.7		mg/Kg	☼	82	75 - 125
Iron	29000		261	26300	4	mg/Kg	☼	-949	75 - 125
Lead	13		26.1	41.8		mg/Kg	☼	110	75 - 125
Thallium	ND	F2	52.2	52.0		mg/Kg	☼	100	75 - 125

Lab Sample ID: 180-155142-3 MSD
Matrix: Solid
Analysis Batch: 433957

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9600		320	10200	4	mg/Kg	☼	169	75 - 125	4	20
Antimony	0.24	J F2 F1	16.0	6.75	F2 F1	mg/Kg	☼	41	75 - 125	23	20
Barium	71	F2	64.1	139	F2	mg/Kg	☼	106	75 - 125	21	20
Beryllium	0.47	F2	32.0	28.6	F2	mg/Kg	☼	88	75 - 125	36	20
Calcium	6800	F2	1600	13000	4 F2	mg/Kg	☼	392	75 - 125	34	20
Chromium	12	F2 F1	32.0	40.1	F2	mg/Kg	☼	86	75 - 125	25	20
Cobalt	11	F2	32.0	45.2	F2	mg/Kg	☼	108	75 - 125	26	20
Copper	40	F2 F1	32.0	49.1	F2 F1	mg/Kg	☼	30	75 - 125	22	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-155142-3 MSD
Matrix: Solid
Analysis Batch: 433957

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	3200	F1	1600	4860		mg/Kg	☼	106	75 - 125	19	20
Manganese	470	F2	32.0	537	4 F2	mg/Kg	☼	200	75 - 125	21	20
Nickel	25	F2	32.0	58.7	F2	mg/Kg	☼	107	75 - 125	22	20
Potassium	480		1600	1850		mg/Kg	☼	85	75 - 125	15	20
Selenium	ND	F2	64.1	58.0	F2	mg/Kg	☼	91	75 - 125	39	20
Silver	ND	F2	16.0	14.8	F2	mg/Kg	☼	93	75 - 125	37	20
Sodium	42	J F2	1600	1560	F2	mg/Kg	☼	95	75 - 125	31	20
Vanadium	13	F2	32.0	41.8	F2	mg/Kg	☼	89	75 - 125	23	20
Zinc	54	B	16.0	65.6		mg/Kg	☼	75	75 - 125	11	20

Lab Sample ID: 180-155142-3 MSD
Matrix: Solid
Analysis Batch: 434075

Client Sample ID: SSHS-IRM5A2-HR-B35
Prep Type: Total/NA
Prep Batch: 432886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	12	F2	64.1	76.1	F2	mg/Kg	☼	100	75 - 125	27	20
Cadmium	0.37	J F2	32.0	30.3	F2	mg/Kg	☼	94	75 - 125	33	20
Iron	29000		320	27100	4	mg/Kg	☼	-507	75 - 125	3	20
Lead	13		32.0	49.7		mg/Kg	☼	114	75 - 125	17	20
Thallium	ND	F2	64.1	71.1	F2	mg/Kg	☼	111	75 - 125	31	20

Lab Sample ID: MB 180-434104/1-A
Matrix: Solid
Analysis Batch: 434854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 434104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Arsenic	ND		1.0	0.63	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Barium	ND		20	3.6	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Beryllium	ND		0.40	0.11	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Cadmium	ND		0.50	0.073	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Calcium	ND		500	65	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Chromium	ND		0.50	0.46	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Cobalt	ND		5.0	0.70	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Copper	ND		2.5	1.5	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Iron	ND		10	9.7	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Lead	ND		1.0	0.87	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Magnesium	ND		500	55	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Manganese	ND		1.5	0.28	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Nickel	ND		4.0	0.50	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Potassium	ND		500	85	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Selenium	ND		1.0	0.46	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Sodium	ND		500	51	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Thallium	ND		2.0	0.28	mg/Kg		05/05/23 07:30	05/10/23 11:14	1
Vanadium	ND		5.0	0.79	mg/Kg		05/05/23 07:30	05/10/23 11:14	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-434104/2-A
Matrix: Solid
Analysis Batch: 434854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	528		mg/Kg		106	80 - 120
Arsenic	100	113		mg/Kg		113	80 - 120
Barium	100	108		mg/Kg		108	80 - 120
Beryllium	50.0	54.0		mg/Kg		108	80 - 120
Cadmium	50.0	55.5		mg/Kg		111	80 - 120
Calcium	2500	2780		mg/Kg		111	80 - 120
Chromium	50.0	55.6		mg/Kg		111	80 - 120
Cobalt	50.0	53.2		mg/Kg		106	80 - 120
Copper	50.0	56.2		mg/Kg		112	80 - 120
Iron	500	541		mg/Kg		108	80 - 120
Lead	50.0	52.6		mg/Kg		105	80 - 120
Magnesium	2500	2630		mg/Kg		105	80 - 120
Manganese	50.0	52.6		mg/Kg		105	80 - 120
Nickel	50.0	53.7		mg/Kg		107	80 - 120
Potassium	2500	2740		mg/Kg		110	80 - 120
Selenium	100	112		mg/Kg		112	80 - 120
Sodium	2500	2800		mg/Kg		112	80 - 120
Thallium	100	106		mg/Kg		106	80 - 120
Vanadium	50.0	55.3		mg/Kg		111	80 - 120

Lab Sample ID: 180-155142-1 MS
Matrix: Solid
Analysis Batch: 434854

Client Sample ID: SSHS-IRM5A2-HR-B33
Prep Type: Total/NA
Prep Batch: 434104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9600		508	10800	4	mg/Kg	☼	247	75 - 125
Arsenic	11	F2 F1	102	114		mg/Kg	☼	102	75 - 125
Barium	73		102	171		mg/Kg	☼	96	75 - 125
Beryllium	0.41		50.8	52.4		mg/Kg	☼	102	75 - 125
Cadmium	0.65		50.8	51.7		mg/Kg	☼	101	75 - 125
Calcium	3700	F2 F1	2540	13200	F1	mg/Kg	☼	374	75 - 125
Chromium	13		50.8	64.6		mg/Kg	☼	102	75 - 125
Cobalt	10		50.8	65.3		mg/Kg	☼	108	75 - 125
Copper	25		50.8	70.5		mg/Kg	☼	91	75 - 125
Iron	24000		508	23600	4	mg/Kg	☼	-149	75 - 125
Lead	21		50.8	63.8		mg/Kg	☼	84	75 - 125
Magnesium	3400		2540	6190		mg/Kg	☼	111	75 - 125
Manganese	550	F2	50.8	498	4	mg/Kg	☼	-94	75 - 125
Nickel	22		50.8	77.6		mg/Kg	☼	109	75 - 125
Potassium	680		2540	3160		mg/Kg	☼	98	75 - 125
Selenium	ND	F2	102	104		mg/Kg	☼	103	75 - 125
Sodium	ND		2540	2780		mg/Kg	☼	109	75 - 125
Thallium	ND		102	110		mg/Kg	☼	108	75 - 125
Vanadium	14		50.8	64.7		mg/Kg	☼	101	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-155142-1 MSD — **Client Sample ID: SSHS-IRM5A2-HR-B33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 434854 — **Prep Batch: 434104**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9600		518	9460	4	mg/Kg	☼	-26	75 - 125	14	20
Arsenic	11	F2 F1	104	87.9	F2 F1	mg/Kg	☼	74	75 - 125	26	20
Barium	73		104	168		mg/Kg	☼	92	75 - 125	1	20
Beryllium	0.41		51.8	49.9		mg/Kg	☼	95	75 - 125	5	20
Cadmium	0.65		51.8	51.8		mg/Kg	☼	99	75 - 125	0	20
Calcium	3700	F2 F1	2590	5010	F2 F1	mg/Kg	☼	49	75 - 125	90	20
Chromium	13		51.8	61.8		mg/Kg	☼	95	75 - 125	4	20
Cobalt	10		51.8	61.7		mg/Kg	☼	99	75 - 125	6	20
Copper	25		51.8	70.4		mg/Kg	☼	88	75 - 125	0	20
Iron	24000		518	22300	4	mg/Kg	☼	-399	75 - 125	6	20
Lead	21		51.8	65.2		mg/Kg	☼	85	75 - 125	2	20
Magnesium	3400		2590	5380		mg/Kg	☼	77	75 - 125	14	20
Manganese	550	F2	51.8	389	4 F2	mg/Kg	☼	-302	75 - 125	24	20
Nickel	22		51.8	73.7		mg/Kg	☼	99	75 - 125	5	20
Potassium	680		2590	2640		mg/Kg	☼	76	75 - 125	18	20
Selenium	ND	F2	104	84.0	F2	mg/Kg	☼	81	75 - 125	21	20
Sodium	ND		2590	2650		mg/Kg	☼	102	75 - 125	5	20
Thallium	ND		104	105		mg/Kg	☼	101	75 - 125	4	20
Vanadium	14		51.8	59.0		mg/Kg	☼	87	75 - 125	9	20

Lab Sample ID: MB 180-434986/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 435239 — **Prep Batch: 434986**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.30	mg/Kg		05/12/23 06:33	05/15/23 16:24	1
Silver	ND		0.50	0.10	mg/Kg		05/12/23 06:33	05/15/23 16:24	1
Zinc	ND		2.0	1.5	mg/Kg		05/12/23 06:33	05/15/23 16:24	1

Lab Sample ID: LCS 180-434986/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 435239 — **Prep Batch: 434986**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	25.0	26.8		mg/Kg		107	80 - 120
Silver	25.0	24.2		mg/Kg		97	80 - 120
Zinc	25.0	28.1		mg/Kg		112	80 - 120

Lab Sample ID: 180-155142-1 MS — **Client Sample ID: SSHS-IRM5A2-HR-B33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 435239 — **Prep Batch: 434986**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.74	J F1	19.6	12.7	F1	mg/Kg	☼	61	75 - 125
Silver	ND		19.6	18.2		mg/Kg	☼	93	75 - 125
Zinc	66		19.6	87.3		mg/Kg	☼	111	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-155142-1 MSD
Client Sample ID: SSHS-IRM5A2-HR-B33
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 435239
Prep Batch: 434986

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.74	J F1	19.3	10.8	F1	mg/Kg	☼	52	75 - 125	16	20
Silver	ND		19.3	16.9		mg/Kg	☼	87	75 - 125	8	20
Zinc	66		19.3	81.4		mg/Kg	☼	82	75 - 125	7	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-433820/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 434050
Prep Batch: 433820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		05/01/23 09:15	05/02/23 13:46	1

Lab Sample ID: LCS 180-433820/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 434050
Prep Batch: 433820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.417		mg/Kg		100	80 - 120

Lab Sample ID: 180-155142-3 MS
Client Sample ID: SSHS-IRM5A2-HR-B35
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 434050
Prep Batch: 433820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.166	0.176		mg/Kg	☼	106	80 - 120

Lab Sample ID: 180-155142-3 MSD
Client Sample ID: SSHS-IRM5A2-HR-B35
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 434050
Prep Batch: 433820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.156	0.162		mg/Kg	☼	104	80 - 120	8	20

GC/MS VOA

Analysis Batch: 433165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8260C	433218
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	EPA 8260C	433218
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	EPA 8260C	433218
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	EPA 8260C	433218
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	EPA 8260C	433218
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	EPA 8260C	433218
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	EPA 8260C	433218
MB 180-433165/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433165/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-433165/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8260C	433218
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8260C	433218

Analysis Batch: 433166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	EPA 8260C	433210
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	EPA 8260C	433210
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	EPA 8260C	433210
MB 180-433166/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433166/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-433166/7	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 433210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	5035	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	5035	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	5035	

Prep Batch: 433218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	5035	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	5035	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	5035	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	5035	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	5035	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	5035	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	5035	
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	5035	
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	5035	

Analysis Batch: 433277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 8260C	433321
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	EPA 8260C	433321
MB 180-433277/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433277/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-433277/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 433321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 433321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	5035	

Prep Batch: 433340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	5035	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	5035	

Analysis Batch: 433384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	EPA 8260C	433475
MB 180-433384/12	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433384/11	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 433475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	5035	

Analysis Batch: 433694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	EPA 8260C	433340
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	EPA 8260C	433340
MB 180-433694/10	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433694/8	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-433694/14	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

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Prep Batch: 433184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3541	
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	3541	
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3541	
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	3541	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	3541	
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	3541	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	3541	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	3541	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	3541	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	3541	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	3541	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	3541	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	3541	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	3541	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	3541	
MB 180-433184/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-433184/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3541	
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3541	

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Analysis Batch: 433263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 8270D	433184
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	EPA 8270D	433184
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8270D	433184
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	EPA 8270D	433184
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	EPA 8270D	433184
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	EPA 8270D	433184
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	EPA 8270D	433184
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	EPA 8270D	433184
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	EPA 8270D	433184
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	EPA 8270D	433184
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	EPA 8270D	433184
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	EPA 8270D	433184
MB 180-433184/1-A	Method Blank	Total/NA	Solid	EPA 8270D	433184
LCS 180-433184/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	433184
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8270D	433184
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8270D	433184

Analysis Batch: 433414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	EPA 8270D	433184
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	EPA 8270D	433184
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	EPA 8270D	433184

GC Semi VOA

Prep Batch: 432885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3541	
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	3541	
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3541	
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	3541	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	3541	
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	3541	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	3541	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	3541	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	3541	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	3541	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	3541	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	3541	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	3541	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	3541	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	3541	
MB 180-432885/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-432885/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3541	
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3541	

Cleanup Batch: 432959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3665A	432885
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	3665A	432885

GC Semi VOA (Continued)

Cleanup Batch: 432959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3665A	432885
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	3665A	432885
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	3665A	432885
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	3665A	432885
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	3665A	432885
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	3665A	432885
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	3665A	432885
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	3665A	432885
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	3665A	432885
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	3665A	432885
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	3665A	432885
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	3665A	432885
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	3665A	432885
MB 180-432885/1-C	Method Blank	Total/NA	Solid	3665A	432885
LCS 180-432885/2-C	Lab Control Sample	Total/NA	Solid	3665A	432885
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3665A	432885
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3665A	432885

Cleanup Batch: 432961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3660B	432959
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	3660B	432959
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3660B	432959
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	3660B	432959
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	3660B	432959
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	3660B	432959
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	3660B	432959
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	3660B	432959
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	3660B	432959
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	3660B	432959
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	3660B	432959
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	3660B	432959
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	3660B	432959
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	3660B	432959
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	3660B	432959
MB 180-432885/1-C	Method Blank	Total/NA	Solid	3660B	432959
LCS 180-432885/2-C	Lab Control Sample	Total/NA	Solid	3660B	432959
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3660B	432959
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3660B	432959

Analysis Batch: 433079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 8082A	432961
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	EPA 8082A	432961
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8082A	432961
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	EPA 8082A	432961
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	EPA 8082A	432961
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	EPA 8082A	432961
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	EPA 8082A	432961
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	EPA 8082A	432961
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	EPA 8082A	432961

GC Semi VOA (Continued)

Analysis Batch: 433079 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	EPA 8082A	432961
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	EPA 8082A	432961
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	EPA 8082A	432961
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	EPA 8082A	432961
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	EPA 8082A	432961
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	EPA 8082A	432961
MB 180-432885/1-C	Method Blank	Total/NA	Solid	EPA 8082A	432961
LCS 180-432885/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	432961
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8082A	432961
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 8082A	432961

Metals

Prep Batch: 432886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3050B	
MB 180-432886/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-432886/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3050B	
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	3050B	

Prep Batch: 433820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	7471B	
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	7471B	
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	7471B	
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	7471B	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	7471B	
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	7471B	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	7471B	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	7471B	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	7471B	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	7471B	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	7471B	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	7471B	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	7471B	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	7471B	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	7471B	
MB 180-433820/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-433820/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	7471B	
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	7471B	

Analysis Batch: 433957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 6010C	432886
MB 180-432886/1-A	Method Blank	Total/NA	Solid	EPA 6010C	432886
LCS 180-432886/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	432886
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 6010C	432886
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 6010C	432886

Metals

Analysis Batch: 434050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 7471B	433820
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	EPA 7471B	433820
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 7471B	433820
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	EPA 7471B	433820
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	EPA 7471B	433820
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	EPA 7471B	433820
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	EPA 7471B	433820
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	EPA 7471B	433820
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	EPA 7471B	433820
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	EPA 7471B	433820
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	EPA 7471B	433820
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	EPA 7471B	433820
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	EPA 7471B	433820
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	EPA 7471B	433820
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	EPA 7471B	433820
MB 180-433820/1-A	Method Blank	Total/NA	Solid	EPA 7471B	433820
LCS 180-433820/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	433820
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 7471B	433820
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 7471B	433820

Analysis Batch: 434075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 6010C	432886
180-155142-3 MS	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 6010C	432886
180-155142-3 MSD	SSHS-IRM5A2-HR-B35	Total/NA	Solid	EPA 6010C	432886

Prep Batch: 434104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3050B	
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	3050B	
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	3050B	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	3050B	
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	3050B	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	3050B	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	3050B	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	3050B	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	3050B	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	3050B	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	3050B	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	3050B	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	3050B	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	3050B	
MB 180-434104/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-434104/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-155142-1 MS	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3050B	
180-155142-1 MSD	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3050B	

Analysis Batch: 434854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 6010C	434104
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	EPA 6010C	434104

Metals (Continued)

Analysis Batch: 434854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	EPA 6010C	434104
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	EPA 6010C	434104
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	EPA 6010C	434104
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	EPA 6010C	434104
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	EPA 6010C	434104
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	EPA 6010C	434104
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	EPA 6010C	434104
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	EPA 6010C	434104
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	EPA 6010C	434104
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	EPA 6010C	434104
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	EPA 6010C	434104
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	EPA 6010C	434104
MB 180-434104/1-A	Method Blank	Total/NA	Solid	EPA 6010C	434104
LCS 180-434104/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	434104
180-155142-1 MS	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 6010C	434104
180-155142-1 MSD	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 6010C	434104

Prep Batch: 434986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3050B	
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	3050B	
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	3050B	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	3050B	
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	3050B	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	3050B	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	3050B	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	3050B	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	3050B	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	3050B	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	3050B	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	3050B	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	3050B	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	3050B	
MB 180-434986/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-434986/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-155142-1 MS	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3050B	
180-155142-1 MSD	SSHS-IRM5A2-HR-B33	Total/NA	Solid	3050B	

Analysis Batch: 435239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 6010C	434986
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	EPA 6010C	434986
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	EPA 6010C	434986
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	EPA 6010C	434986
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	EPA 6010C	434986
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	EPA 6010C	434986
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	EPA 6010C	434986
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	EPA 6010C	434986
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	EPA 6010C	434986
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	EPA 6010C	434986
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	EPA 6010C	434986

Metals (Continued)

Analysis Batch: 435239 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	EPA 6010C	434986
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	EPA 6010C	434986
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	EPA 6010C	434986
MB 180-434986/1-A	Method Blank	Total/NA	Solid	EPA 6010C	434986
LCS 180-434986/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	434986
180-155142-1 MS	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 6010C	434986
180-155142-1 MSD	SSHS-IRM5A2-HR-B33	Total/NA	Solid	EPA 6010C	434986

General Chemistry

Analysis Batch: 432445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155142-1	SSHS-IRM5A2-HR-B33	Total/NA	Solid	2540G	
180-155142-2	SSHS-IRM5A2-HR-B34	Total/NA	Solid	2540G	
180-155142-3	SSHS-IRM5A2-HR-B35	Total/NA	Solid	2540G	
180-155142-4	SSHS-IRM5A2-HR-B36	Total/NA	Solid	2540G	
180-155142-5	SSHS-IRM5A2-HR-B37	Total/NA	Solid	2540G	
180-155142-6	SSHS-IRM5A2-HR-B38	Total/NA	Solid	2540G	
180-155142-7	SSHS-IRM5A2-DUP296	Total/NA	Solid	2540G	
180-155142-8	SSHS-IRM5A2-HR-B39	Total/NA	Solid	2540G	
180-155142-9	SSHS-IRM5A2-HR-B40	Total/NA	Solid	2540G	
180-155142-10	SSHS-IRM5A2-HR-B41	Total/NA	Solid	2540G	
180-155142-11	SSHS-IRM5A2-HR-B42	Total/NA	Solid	2540G	
180-155142-12	SSHS-IRM5A2-HR-B43	Total/NA	Solid	2540G	
180-155142-13	SSHS-IRM5A2-HR-B44	Total/NA	Solid	2540G	
180-155142-14	SSHS-IRM5A2-HR-B45	Total/NA	Solid	2540G	
180-155142-15	SSHS-IRM5A2-DUP297	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

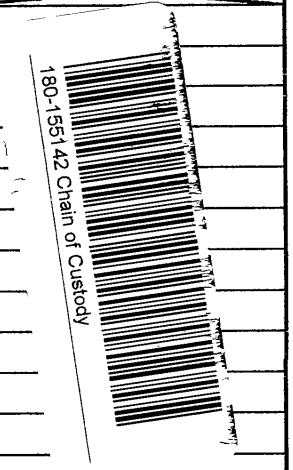
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B33	4/14/23	1500	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B34	4/14/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B35	4/14/23	1510	G	S	N	Y	X	X	X	X										16	
SSHS-IRM5A2-HR-B36	4/14/23	1515	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B37	4/14/23	1520	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B38	4/14/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP296	4/14/23	-	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B39	4/14/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B40	4/14/23	1535	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B41	4/14/23	1540	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B42	4/14/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B43	4/14/23	1550	G	S	N	N	X	X	X	X										6	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/15/23 0907	Company: TestAmerica
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

5/20/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	[redacted]	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-IRM5A2-HR-B44	4/14/23	1555	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B45	4/14/23	1600	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP297	4/14/23	-	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/15/23 0917	Company: EBI/TMC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

5/20/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-155142 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercur	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B33	4/14/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B34	4/14/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B35	4/14/23	1510	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-HR-B36	4/14/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B37	4/14/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B38	4/14/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP296	4/14/23	-	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B39	4/14/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B40	4/14/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B41	4/14/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B42	4/14/23	1545	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B43	4/14/23	1550	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/15/23 900	Company: EESA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

5/20/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B44	4/14/23	1555	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B45	4/14/23	1600	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP297	4/14/23	-	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 4/14/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/14/23 - 900	Company: ESTSM
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

5/20/2023

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-155142 Field Sheet

Job: _____

Tracking # : 7717-8830-9689

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-09 Corr. Factor: (+ / -) 0 °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 4.8 °C Corrected: 4.8 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☑	☐

Initials: JLT Date: 4/15/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 4.15.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: _____ Date: 4.14.23



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-155142 Field Sheet

Job: _____

Tracking # : 7717-8830-9689

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-09 Corr. Factor: (+ / -) 0 °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 4.8 °C Corrected: 4.8 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☑	☐

Initials: JLT Date: 4/15/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 4.15.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: _____ Date: 4.14.23



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155142-1

Login Number: 155142
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 5/24/2023 3:05:09 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-155056-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
5/24/2023 3:05:09 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

Table of Contents

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Job ID: 180-155056-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-155056-1

Receipt
The samples were received on 4/14/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 2.7º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 was above the control limits for the following samples: SSHS-IRM5A2-HR-B26 (180-155056-4) and SSHS-IRM5A2-HR-B29 (180-155056-7). As the surrogates were high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-433166 recovered above the control limits for the following analyte: Methylene Chloride. The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) was also above the control limits for Methylene Chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-433523 recovered below the control limits for the following analyte: Bromomethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433166 was below criteria for the following analytes: Tetrachloroethene, 2-Butanone, 1,1,2-Trichloro-1,2,2-trifluoroethane, Cyclohexane, Vinyl chloride and 1,1,1-Trichloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433166 was above criteria for the following analytes: Methylene Chloride, and 1,4-Dioxane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433523 was below criteria for the following analytes: Carbon disulfide, Vinyl chloride, Dichlorodifluoromethane, Chloromethane and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-433523 was above criteria for the following analytes: Acetone and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) for preparation batch 180-433060 recovered above the control limits for the following analyte: 4,6-Dinitro-2-methylphenol. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-433093 was above criteria for the following analyte: Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 180-155056-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Metals

Method 6010C: The following sample was diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-HR-B28 (180-155056-6). Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, and thallium were also reported from dilution due to inter-element corrections associated with iron.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155056-1	SSHS-IRM5A2-HR-B23	Solid	04/13/23 15:00	04/14/23 09:00
180-155056-2	SSHS-IRM5A2-HR-B24	Solid	04/13/23 15:05	04/14/23 09:00
180-155056-3	SSHS-IRM5A2-HR-B25	Solid	04/13/23 15:10	04/14/23 09:00
180-155056-4	SSHS-IRM5A2-HR-B26	Solid	04/13/23 15:15	04/14/23 09:00
180-155056-5	SSHS-IRM5A2-HR-B27	Solid	04/13/23 15:20	04/14/23 09:00
180-155056-6	SSHS-IRM5A2-HR-B28	Solid	04/13/23 15:25	04/14/23 09:00
180-155056-7	SSHS-IRM5A2-HR-B29	Solid	04/13/23 15:30	04/14/23 09:00
180-155056-8	SSHS-IRM5A2-HR-B30	Solid	04/13/23 15:35	04/14/23 09:00
180-155056-9	SSHS-IRM5A2-HR-B31	Solid	04/13/23 15:40	04/14/23 09:00
180-155056-10	SSHS-IRM5A2-HR-B32	Solid	04/13/23 15:45	04/14/23 09:00
180-155056-11	SSHS-IRM5A2-DUP295	Solid	04/13/23 00:00	04/14/23 09:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2326 g	5 mL	433599	04/27/23 06:23	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433523	04/27/23 09:30	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 14:40	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 14:36	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:27	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.58 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:29	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:20	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1165 g	5 mL	433599	04/27/23 06:23	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433523	04/27/23 09:53	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 15:46	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 15:33	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.82 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:32	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.69 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:34	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:21	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1306 g	5 mL	433599	04/27/23 06:23	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433523	04/27/23 10:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433191	04/24/23 19:31	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 15:52	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.18 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:37	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.61 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:39	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:23	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B26
Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B26
Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5578 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 17:10	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.3 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 16:29	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.5 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 16:11	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:42	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:44	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:24	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6023 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 17:38	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.4 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 16:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 16:30	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.75 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:47	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.65 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:49	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:25	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6
Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6
Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4927 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 18:07	PJJ	EET PIT
	Instrument ID: CHHP4									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6
Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 17:13	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 16:49	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.99 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:52	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.99 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			434985	05/11/23 13:31	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.56 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7
Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7
Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0037 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 18:35	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433191	04/24/23 19:53	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 17:46	JMO	EET PIT
	Instrument ID: CHGC16									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7
Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.12 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 21:57	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.65 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 14:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:27	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B30
Lab Sample ID: 180-155056-8
Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B30
Lab Sample ID: 180-155056-8
Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0356 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 19:03	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.1 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 17:57	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 18:05	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			1.11 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 22:13	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.66 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 15:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:28	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9999 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 19:31	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.0 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 18:18	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 18:23	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.67 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 22:18	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.65 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 15:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10
Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10
Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0605 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 20:00	PJJ	EET PIT
	Instrument ID: CHHP4									

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10
Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 18:40	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 18:42	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 22:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 15:13	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:30	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11
Date Collected: 04/13/23 00:00
Matrix: Solid
Date Received: 04/14/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			432447	04/16/23 09:47	CMR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11
Date Collected: 04/13/23 00:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1168 g	5 mL	433210	04/24/23 07:35	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	433166	04/24/23 20:28	PJJ	EET PIT
	Instrument ID: CHHP4									
Total/NA	Prep	3541			15.2 g	5.0 mL	433060	04/21/23 16:25	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	433093	04/22/23 19:02	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	432715	04/19/23 06:03	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432797	04/19/23 12:31	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432798	04/19/23 12:32	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	433079	04/22/23 19:01	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.94 g	50 mL	433470	04/26/23 12:50	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			434338	05/04/23 22:28	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11

Date Collected: 04/13/23 00:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.68 g	50 mL	434990	05/12/23 06:34	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			435239	05/15/23 15:28	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	433818	05/01/23 08:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			434050	05/02/23 13:34	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

JBP = Jack Prothero
JSM = Joseph Moore
MTW = Michael Wesoloski
PJJ = Patrick Journet
S1Z = Sage Ziviello
VJC = Vincent Cervone

Batch Type: Analysis

CMR = Carl Reagle
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
RJG = Rob Good
VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1

Date Collected: 04/13/23 15:00
Matrix: Solid

Date Received: 04/14/23 09:00
Percent Solids: 96.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Bromomethane	ND	*-	4.9	2.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Chloromethane	ND		4.9	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2-Dibromoethane	ND		4.9	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Methyl tert-butyl ether	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Vinyl chloride	ND		4.9	3.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	04/27/23 06:23	04/27/23 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*04/27/23 06:23*	*04/27/23 09:30*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*04/27/23 06:23*	*04/27/23 09:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*04/27/23 06:23*	*04/27/23 09:30*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*04/27/23 06:23*	*04/27/23 09:30*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Acetophenone	ND		690	120	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Anthracene	ND		69	18	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Atrazine	ND		690	150	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Benzaldehyde	ND		690	42	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Carbazole	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Chrysene	ND		69	38	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	590	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Fluorene	ND		69	13	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Isophorone	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Naphthalene	ND		69	13	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Nitrobenzene	ND		690	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Phenol	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
Pyrene	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/21/23 16:25*	*04/22/23 14:40*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/21/23 16:25*	*04/22/23 14:40*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*04/21/23 16:25*	*04/22/23 14:40*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*04/21/23 16:25*	*04/22/23 14:40*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/21/23 16:25*	*04/22/23 14:40*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*04/21/23 16:25*	*04/22/23 14:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1

Client Sample ID: SSHS-IRM5A2-HR-B23
Lab Sample ID: 180-155056-1
Date Collected: 04/13/23 15:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	5.9	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*04/19/23 06:03*	*04/22/23 14:36*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*04/19/23 06:03*	*04/22/23 14:36*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*04/19/23 06:03*	*04/22/23 14:36*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*04/19/23 06:03*	*04/22/23 14:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		19	4.7	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Antimony	**0.33**	**J**	0.94	0.28	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Arsenic	**12**		0.89	0.56	mg/Kg	☼	05/12/23 06:34	05/15/23 14:29	1
Barium	**110**		19	3.3	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Beryllium	**0.54**		0.38	0.10	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Cadmium	**0.93**		0.47	0.069	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Calcium	**7300**		470	61	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Chromium	**16**		0.47	0.43	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Cobalt	**14**		4.7	0.66	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Copper	**29**		2.3	1.4	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Iron	**29000**		9.4	9.1	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Lead	**24**		0.94	0.82	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Magnesium	**3800**		470	52	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Manganese	**670**		1.4	0.26	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Nickel	**30**		3.8	0.47	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Potassium	**1100**		470	80	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Selenium	ND		0.94	0.43	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Silver	ND		0.47	0.098	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Sodium	**110**	**J**	470	48	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Thallium	ND		1.9	0.27	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Vanadium	**18**		4.7	0.74	mg/Kg	☼	04/26/23 12:50	05/04/23 21:27	1
Zinc	**58**		1.8	1.3	mg/Kg	☼	05/12/23 06:34	05/15/23 14:29	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.020**	**J B**	0.030	0.019	mg/Kg	☼	05/01/23 08:50	05/02/23 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.1**		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	**96.9**		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Bromomethane	ND	*-	5.0	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2

Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/27/23 06:23	04/27/23 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*04/27/23 06:23*	*04/27/23 09:53*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*04/27/23 06:23*	*04/27/23 09:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*04/27/23 06:23*	*04/27/23 09:53*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*04/27/23 06:23*	*04/27/23 09:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Acetophenone	ND		680	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Anthracene	ND		68	18	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Atrazine	ND		680	150	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Carbazole	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Chrysene	ND		68	38	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	580	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Fluorene	ND		68	13	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Isophorone	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2-Methylphenol	ND		340	97	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Naphthalene	ND		68	13	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Phenol	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
Pyrene	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*04/21/23 16:25*	*04/22/23 15:46*	*1*
2-Fluorophenol (Surr)	*51*		*48 - 105*	*04/21/23 16:25*	*04/22/23 15:46*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*04/21/23 16:25*	*04/22/23 15:46*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*04/21/23 16:25*	*04/22/23 15:46*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*04/21/23 16:25*	*04/22/23 15:46*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*04/21/23 16:25*	*04/22/23 15:46*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 15:33	1

Client Sample ID: SSHS-IRM5A2-HR-B24
Lab Sample ID: 180-155056-2
Date Collected: 04/13/23 15:05
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/19/23 06:03*	*04/22/23 15:33*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/19/23 06:03*	*04/22/23 15:33*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*04/19/23 06:03*	*04/22/23 15:33*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*04/19/23 06:03*	*04/22/23 15:33*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		12	3.1	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Antimony	ND		0.62	0.19	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Arsenic	**22**		0.74	0.46	mg/Kg	☼	05/12/23 06:34	05/15/23 14:34	1
Barium	**43**		12	2.2	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Beryllium	**0.21**	**J**	0.25	0.068	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Cadmium	**0.42**		0.31	0.046	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Calcium	**2100**		310	40	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Chromium	**8.2**		0.31	0.28	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Cobalt	**6.0**		3.1	0.44	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Copper	**6.5**		1.6	0.94	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Iron	**14000**		6.2	6.1	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Lead	**4.7**		0.62	0.54	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Magnesium	**1600**		310	34	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Manganese	**230**		0.94	0.17	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Nickel	**13**		2.5	0.31	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Potassium	**390**		310	53	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Selenium	ND		0.62	0.29	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Silver	ND		0.31	0.065	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Sodium	**32**	**J**	310	32	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Thallium	ND		1.2	0.18	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Vanadium	**9.5**		3.1	0.49	mg/Kg	☼	04/26/23 12:50	05/04/23 21:32	1
Zinc	**67**		1.5	1.1	mg/Kg	☼	05/12/23 06:34	05/15/23 14:34	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.033	0.021	mg/Kg	☼	05/01/23 08:50	05/02/23 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.3**		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	**97.7**		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.0	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Benzene	ND		5.1	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Bromomethane	ND	*-	5.1	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Chlorodibromomethane	ND		5.1	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
cis-1,2-Dichloroethene	ND		5.1	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/27/23 06:23	04/27/23 10:16	1

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3

Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/27/23 06:23*	*04/27/23 10:16*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*04/27/23 06:23*	*04/27/23 10:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*04/27/23 06:23*	*04/27/23 10:16*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*04/27/23 06:23*	*04/27/23 10:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Acetophenone	ND		700	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Anthracene	ND		70	18	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Atrazine	ND		700	150	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Carbazole	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Chrysene	ND		70	39	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	600	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Fluorene	ND		70	14	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Isophorone	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Naphthalene	ND		70	14	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Phenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
Pyrene	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*04/21/23 16:25*	*04/24/23 19:31*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*04/21/23 16:25*	*04/24/23 19:31*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*04/21/23 16:25*	*04/24/23 19:31*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*04/21/23 16:25*	*04/24/23 19:31*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*04/21/23 16:25*	*04/24/23 19:31*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*04/21/23 16:25*	*04/24/23 19:31*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/19/23 06:03*	*04/22/23 15:52*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/19/23 06:03*	*04/22/23 15:52*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*04/19/23 06:03*	*04/22/23 15:52*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B25
Lab Sample ID: 180-155056-3
Date Collected: 04/13/23 15:10
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 94.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*04/19/23 06:03*	*04/22/23 15:52*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		8.9	2.2	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Antimony	ND		0.45	0.14	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Arsenic	**13**		0.87	0.54	mg/Kg	☼	05/12/23 06:34	05/15/23 14:39	1
Barium	**50**		8.9	1.6	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Beryllium	**0.30**		0.18	0.049	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Cadmium	**0.50**		0.22	0.033	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Calcium	**1900**		220	29	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Chromium	**8.6**		0.22	0.20	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Cobalt	**7.4**		2.2	0.32	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Copper	**13**		1.1	0.68	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Iron	**15000**		4.5	4.4	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Lead	**8.9**		0.45	0.39	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Magnesium	**2200**		220	25	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Manganese	**250**		0.67	0.12	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Nickel	**17**		1.8	0.23	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Potassium	**490**		220	38	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Selenium	ND		0.45	0.21	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Silver	ND		0.22	0.047	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Sodium	**24**	**J**	220	23	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Thallium	ND		0.89	0.13	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Vanadium	**9.6**		2.2	0.35	mg/Kg	☼	04/26/23 12:50	05/04/23 21:37	1
Zinc	**61**		1.7	1.3	mg/Kg	☼	05/12/23 06:34	05/15/23 14:39	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.035	0.022	mg/Kg	☼	05/01/23 08:50	05/02/23 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.3**		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	**94.7**		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B26
Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Benzene	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Bromomethane	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
2-Butanone (MEK)	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B26
Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Chloroethane	ND		4.7	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Cyclohexane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Dichlorodifluoromethane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2-Dichloroethene, Total	ND		9.4	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2-Dichloropropane	ND		4.7	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,4-Dioxane	ND		940	33	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Ethylbenzene	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
2-Hexanone	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Isopropylbenzene	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Methyl acetate	ND		23	6.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Methylene Chloride	ND	*+ *1	4.7	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Styrene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Toluene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
trans-1,2-Dichloroethene	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,1,2-Trichloroethane	ND		4.7	0.93	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1
Xylenes, Total	ND		9.4	6.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*	*04/24/23 07:35*	*04/24/23 17:10*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*04/24/23 07:35*	*04/24/23 17:10*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B26
Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 95.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*145*	*S1+*	*73 - 135*	*04/24/23 07:35*	*04/24/23 17:10*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*04/24/23 07:35*	*04/24/23 17:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Acenaphthylene	ND		69	15	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Acetophenone	ND		690	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Anthracene	ND		69	18	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Atrazine	ND		690	150	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Benzaldehyde	ND		690	42	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Benzo[k]fluoranthene	ND		69	20	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Carbazole	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Chrysene	ND		69	38	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	590	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Fluoranthene	ND		69	18	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Fluorene	ND		69	13	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Hexachlorobenzene	ND		69	24	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B26
Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 95.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Isophorone	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2-Methylphenol	ND		340	98	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Naphthalene	ND		69	13	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Nitrobenzene	ND		690	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Phenanthrene	ND		69	18	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Phenol	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
Pyrene	ND		69	16	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*04/21/23 16:25*	*04/22/23 16:29*	*1*
2-Fluorophenol (Surr)	*52*		*48 - 105*	*04/21/23 16:25*	*04/22/23 16:29*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*04/21/23 16:25*	*04/22/23 16:29*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/21/23 16:25*	*04/22/23 16:29*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*04/21/23 16:25*	*04/22/23 16:29*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/21/23 16:25*	*04/22/23 16:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/19/23 06:03*	*04/22/23 16:11*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/19/23 06:03*	*04/22/23 16:11*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*04/19/23 06:03*	*04/22/23 16:11*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*04/19/23 06:03*	*04/22/23 16:11*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B26

Lab Sample ID: 180-155056-4
Date Collected: 04/13/23 15:15
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 95.8

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		17	4.1	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Antimony	ND		0.83	0.25	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Arsenic	**11**		0.95	0.60	mg/Kg	☼	05/12/23 06:34	05/15/23 14:44	1
Barium	**46**		17	3.0	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Beryllium	**0.24**	**J**	0.33	0.090	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Cadmium	**0.45**		0.41	0.061	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Calcium	**2300**		410	54	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Chromium	**8.1**		0.41	0.38	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Cobalt	**7.1**		4.1	0.58	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Copper	**61**		2.1	1.3	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Iron	**16000**		8.3	8.1	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Lead	**8.0**		0.83	0.72	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Magnesium	**2100**		410	46	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Manganese	**400**		1.2	0.23	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Nickel	**14**		3.3	0.42	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Potassium	**640**		410	71	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Selenium	ND		0.83	0.38	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Silver	ND		0.41	0.086	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Sodium	ND		410	42	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Thallium	ND		1.7	0.24	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Vanadium	**9.9**		4.1	0.66	mg/Kg	☼	04/26/23 12:50	05/04/23 21:42	1
Zinc	**63**		1.9	1.4	mg/Kg	☼	05/12/23 06:34	05/15/23 14:44	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.033	0.021	mg/Kg	☼	05/01/23 08:50	05/02/23 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.2**		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	**95.8**		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B27

Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	3.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Benzene	ND		4.5	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Bromoform	ND		4.5	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Bromomethane	ND		4.5	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
2-Butanone (MEK)	ND		4.5	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Carbon disulfide	ND		4.5	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Carbon tetrachloride	ND		4.5	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Chlorobenzene	ND		4.5	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Chlorobromomethane	ND		4.5	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Chlorodibromomethane	ND		4.5	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Chloroethane	ND		4.5	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Chloroform	ND		4.5	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.5	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
cis-1,2-Dichloroethene	ND		4.5	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
cis-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Cyclohexane	ND		4.5	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2-Dibromoethane	ND		4.5	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2-Dichlorobenzene	ND		4.5	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,3-Dichlorobenzene	ND		4.5	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,4-Dichlorobenzene	ND		4.5	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Dichlorobromomethane	ND		4.5	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Dichlorodifluoromethane	ND		4.5	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,1-Dichloroethane	ND		4.5	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2-Dichloroethane	ND		4.5	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,1-Dichloroethene	ND		4.5	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2-Dichloroethene, Total	ND		9.0	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2-Dichloropropane	ND		4.5	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,4-Dioxane	ND		900	32	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Ethylbenzene	ND		4.5	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
2-Hexanone	ND		4.5	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Isopropylbenzene	ND		4.5	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Methyl acetate	ND		22	6.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Methylcyclohexane	ND		4.5	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Methylene Chloride	ND	*+ *1	4.5	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		4.5	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Methyl tert-butyl ether	ND		4.5	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
m-Xylene & p-Xylene	ND		4.5	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
o-Xylene	ND		4.5	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Styrene	ND		4.5	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,1,2,2-Tetrachloroethane	ND		4.5	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Tetrachloroethene	ND		4.5	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Toluene	ND		4.5	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
trans-1,2-Dichloroethene	ND		4.5	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2,3-Trichlorobenzene	ND		4.5	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,2,4-Trichlorobenzene	ND		4.5	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,1,1-Trichloroethane	ND		4.5	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,1,2-Trichloroethane	ND		4.5	0.89	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Trichloroethene	ND		4.5	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Trichlorofluoromethane	ND		4.5	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Vinyl chloride	ND		4.5	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1
Xylenes, Total	ND		9.0	6.5	ug/Kg	☼	04/24/23 07:35	04/24/23 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*04/24/23 07:35*	*04/24/23 17:38*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*04/24/23 07:35*	*04/24/23 17:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*04/24/23 07:35*	*04/24/23 17:38*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*04/24/23 07:35*	*04/24/23 17:38*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5
Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		66	19	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Acenaphthylene	ND		66	14	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Acetophenone	ND		660	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Anthracene	ND		66	17	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Atrazine	ND		660	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Benzaldehyde	ND		660	41	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Benzo[a]anthracene	ND		66	30	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Benzo[a]pyrene	ND		66	28	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Benzo[b]fluoranthene	ND		66	16	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Benzo[g,h,i]perylene	ND		66	14	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Benzo[k]fluoranthene	ND		66	20	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
1,1'-Biphenyl	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Bis(2-chloroethoxy)methane	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Bis(2-chloroethyl)ether	ND		66	12	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Bis(2-ethylhexyl) phthalate	ND		3200	350	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4-Bromophenyl phenyl ether	ND		320	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Butyl benzyl phthalate	ND		320	220	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Caprolactam	ND		1700	210	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Carbazole	ND		66	15	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4-Chloroaniline	ND		320	86	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4-Chloro-3-methylphenol	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2-Chloronaphthalene	ND		66	15	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2-Chlorophenol	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4-Chlorophenyl phenyl ether	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Chrysene	ND		66	36	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Dibenz(a,h)anthracene	ND		66	42	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Dibenzofuran	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
3,3'-Dichlorobenzidine	ND		320	300	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,4-Dichlorophenol	ND		66	25	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Diethyl phthalate	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,4-Dimethylphenol	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Dimethyl phthalate	ND		320	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Di-n-butyl phthalate	ND		320	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	560	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,4-Dinitrophenol	ND		3200	2000	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,4-Dinitrotoluene	ND		320	200	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,6-Dinitrotoluene	ND		320	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Di-n-octyl phthalate	ND		320	190	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
1,4-Dioxane	ND		660	100	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Fluoranthene	ND		66	17	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Fluorene	ND		66	13	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Hexachlorobenzene	ND		66	23	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Hexachlorobutadiene	ND		66	19	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Hexachlorocyclopentadiene	ND		320	33	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Hexachloroethane	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Indeno[1,2,3-cd]pyrene	ND		66	33	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Isophorone	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2-Methylnaphthalene	ND		66	16	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2-Methylphenol	ND		320	94	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5

Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		320	96	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Naphthalene	ND		66	13	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
3-Nitroaniline	ND		1700	83	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Nitrobenzene	ND		660	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2-Nitrophenol	ND		320	120	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
N-Nitrosodi-n-propylamine	ND		66	22	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
N-Nitrosodiphenylamine	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,2'-oxybis[1-chloropropane]	ND		66	24	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Phenanthrene	ND		66	18	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Phenol	ND		320	99	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
Pyrene	ND		66	15	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
1,2,4,5-Tetrachlorobenzene	ND		320	130	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,3,4,6-Tetrachlorophenol	ND		320	140	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,4,5-Trichlorophenol	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1
2,4,6-Trichlorophenol	ND		320	110	ug/Kg	☼	04/21/23 16:25	04/22/23 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*04/21/23 16:25*	*04/22/23 16:51*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/21/23 16:25*	*04/22/23 16:51*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*04/21/23 16:25*	*04/22/23 16:51*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*04/21/23 16:25*	*04/22/23 16:51*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*04/21/23 16:25*	*04/22/23 16:51*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*04/21/23 16:25*	*04/22/23 16:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		16	5.3	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1221	ND		16	5.8	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1232	ND		16	4.0	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1242	ND		16	2.4	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1248	ND		16	3.9	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1254	ND		16	4.9	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1260	ND		16	4.6	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1262	ND		16	5.7	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1
PCB-1268	ND		16	2.2	ug/Kg	☼	04/19/23 06:03	04/22/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*04/19/23 06:03*	*04/22/23 16:30*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*04/19/23 06:03*	*04/22/23 16:30*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*04/19/23 06:03*	*04/22/23 16:30*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*04/19/23 06:03*	*04/22/23 16:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6700**		13	3.3	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Antimony	ND		0.67	0.20	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1

Client Sample ID: SSHS-IRM5A2-HR-B27
Lab Sample ID: 180-155056-5

Date Collected: 04/13/23 15:20
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		0.77	0.49	mg/Kg	☼	05/12/23 06:34	05/15/23 14:49	1
Barium	68		13	2.4	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Beryllium	0.35		0.27	0.073	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Cadmium	0.48		0.34	0.049	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Calcium	3400		340	43	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Chromium	8.8		0.34	0.31	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Cobalt	8.6		3.4	0.47	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Copper	14		1.7	1.0	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Iron	18000		6.7	6.5	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Lead	10		0.67	0.58	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Magnesium	2300		340	37	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Manganese	620		1.0	0.19	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Nickel	18		2.7	0.34	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Potassium	580		340	57	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Selenium	ND		0.67	0.31	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Silver	ND		0.34	0.070	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Sodium	40	J	340	34	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Thallium	ND		1.3	0.19	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Vanadium	11		3.4	0.53	mg/Kg	☼	04/26/23 12:50	05/04/23 21:47	1
Zinc	63		1.5	1.1	mg/Kg	☼	05/12/23 06:34	05/15/23 14:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	J B	0.033	0.021	mg/Kg	☼	05/01/23 08:50	05/02/23 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	0.7		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	99.3		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6

Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Benzene	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Bromoform	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Bromomethane	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
2-Butanone (MEK)	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Carbon disulfide	ND		4.7	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Chloroethane	ND		4.7	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Chloroform	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Chloromethane	ND		4.7	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6
Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Cyclohexane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Dichlorodifluoromethane	ND		4.7	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2-Dichloroethane	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2-Dichloroethene, Total	ND		9.3	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2-Dichloropropane	ND		4.7	1.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,4-Dioxane	ND		930	33	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Ethylbenzene	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
2-Hexanone	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Isopropylbenzene	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Methyl acetate	ND		23	6.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Methylcyclohexane	ND		4.7	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Methylene Chloride	ND	*+ *1	4.7	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Styrene	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Toluene	ND		4.7	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
trans-1,2-Dichloroethene	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2,3-Trichlorobenzene	ND		4.7	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,1,2-Trichloroethane	ND		4.7	0.92	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1
Xylenes, Total	ND		9.3	6.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/24/23 07:35*	*04/24/23 18:07*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*04/24/23 07:35*	*04/24/23 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*04/24/23 07:35*	*04/24/23 18:07*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*04/24/23 07:35*	*04/24/23 18:07*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6
Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		67	15	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Acetophenone	ND		670	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Anthracene	ND		67	17	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Atrazine	ND		670	150	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Benzaldehyde	ND		670	42	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Carbazole	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Chrysene	ND		67	37	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	580	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Fluorene	ND		67	13	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Isophorone	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6
Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		67	13	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Phenol	ND		330	100	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
Pyrene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*44 - 105*	*04/21/23 16:25*	*04/22/23 17:13*	*1*
2-Fluorophenol (Surr)	*50*		*48 - 105*	*04/21/23 16:25*	*04/22/23 17:13*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*04/21/23 16:25*	*04/22/23 17:13*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*04/21/23 16:25*	*04/22/23 17:13*	*1*
Terphenyl-d14 (Surr)	*63*		*39 - 105*	*04/21/23 16:25*	*04/22/23 17:13*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*04/21/23 16:25*	*04/22/23 17:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/19/23 06:03*	*04/22/23 16:49*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*04/19/23 06:03*	*04/22/23 16:49*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*04/19/23 06:03*	*04/22/23 16:49*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*04/19/23 06:03*	*04/22/23 16:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		10	2.6	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Antimony	**0.26**	**J**	0.52	0.16	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Arsenic	**23**		2.6	1.6	mg/Kg	☼	04/26/23 12:50	05/11/23 13:31	5

Client Sample ID: SSHS-IRM5A2-HR-B28
Lab Sample ID: 180-155056-6

Date Collected: 04/13/23 15:25
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 97.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	67		10	1.8	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Beryllium	0.38		0.21	0.056	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Cadmium	0.44	J	1.3	0.19	mg/Kg	☼	04/26/23 12:50	05/11/23 13:31	5
Calcium	6200		260	33	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Chromium	11		0.26	0.24	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Cobalt	10		2.6	0.36	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Copper	19		1.3	0.78	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Iron	28000		26	25	mg/Kg	☼	04/26/23 12:50	05/11/23 13:31	5
Lead	10		2.6	2.2	mg/Kg	☼	04/26/23 12:50	05/11/23 13:31	5
Magnesium	2800		260	28	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Manganese	390		0.77	0.14	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Nickel	22		2.1	0.26	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Potassium	580		260	44	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Selenium	ND		0.52	0.24	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Silver	ND		0.26	0.054	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Sodium	52	J	260	26	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Thallium	ND		5.2	0.73	mg/Kg	☼	04/26/23 12:50	05/11/23 13:31	5
Vanadium	12		2.6	0.41	mg/Kg	☼	04/26/23 12:50	05/04/23 21:52	1
Zinc	69		1.8	1.3	mg/Kg	☼	05/12/23 06:34	05/15/23 14:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	05/01/23 08:50	05/02/23 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.2		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	97.8		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7

Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7
Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Methylene Chloride	ND	*+ *1	5.2	4.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/24/23 07:35	04/24/23 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*04/24/23 07:35*	*04/24/23 18:35*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*04/24/23 07:35*	*04/24/23 18:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*136*	*S1+*	*73 - 135*	*04/24/23 07:35*	*04/24/23 18:35*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/24/23 07:35*	*04/24/23 18:35*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7
Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		700	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Anthracene	ND		70	18	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Atrazine	ND		700	150	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Carbazole	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Chrysene	ND		70	38	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	600	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Fluorene	ND		70	14	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Isophorone	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2-Methylphenol	ND		340	99	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Naphthalene	ND		70	14	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7

Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Phenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
Pyrene	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/24/23 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*04/21/23 16:25*	*04/24/23 19:53*	*1*
2-Fluorophenol (Surr)	*56*		*48 - 105*	*04/21/23 16:25*	*04/24/23 19:53*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*04/21/23 16:25*	*04/24/23 19:53*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*04/21/23 16:25*	*04/24/23 19:53*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/21/23 16:25*	*04/24/23 19:53*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*04/21/23 16:25*	*04/24/23 19:53*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/19/23 06:03*	*04/22/23 17:46*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/19/23 06:03*	*04/22/23 17:46*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*04/19/23 06:03*	*04/22/23 17:46*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*04/19/23 06:03*	*04/22/23 17:46*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		9.3	2.3	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Antimony	ND		0.46	0.14	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Arsenic	**12**		0.80	0.50	mg/Kg	☼	05/12/23 06:34	05/15/23 14:58	1
Barium	**59**		9.3	1.7	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1

Client Sample ID: SSHS-IRM5A2-HR-B29
Lab Sample ID: 180-155056-7

Date Collected: 04/13/23 15:30
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.30		0.19	0.051	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Cadmium	0.58		0.23	0.034	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Calcium	3300		230	30	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Chromium	9.9		0.23	0.21	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Cobalt	8.7		2.3	0.33	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Copper	22		1.2	0.70	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Iron	17000		4.6	4.5	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Lead	11		0.46	0.40	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Magnesium	2400		230	25	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Manganese	350		0.70	0.13	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Nickel	19		1.9	0.23	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Potassium	450		230	39	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Selenium	ND		0.46	0.21	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Silver	ND		0.23	0.048	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Sodium	27	J	230	24	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Thallium	ND		0.93	0.13	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Vanadium	11		2.3	0.37	mg/Kg	☼	04/26/23 12:50	05/04/23 21:57	1
Zinc	64		1.6	1.2	mg/Kg	☼	05/12/23 06:34	05/15/23 14:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J B	0.033	0.021	mg/Kg	☼	05/01/23 08:50	05/02/23 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.8		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	96.2		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B30
Lab Sample ID: 180-155056-8

Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B30
Lab Sample ID: 180-155056-8
Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Methylene Chloride	ND	*+ *1	5.1	4.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*04/24/23 07:35*	*04/24/23 19:03*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*04/24/23 07:35*	*04/24/23 19:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*04/24/23 07:35*	*04/24/23 19:03*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*04/24/23 07:35*	*04/24/23 19:03*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Acenaphthylene	ND		68	15	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Acetophenone	ND		680	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B30
Lab Sample ID: 180-155056-8
Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		68	18	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Atrazine	ND		680	150	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Benzaldehyde	ND		680	42	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Carbazole	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4-Chloroaniline	ND		330	89	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Chrysene	ND		68	37	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
3,3'-Dichlorobenzidine	ND		330	320	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	580	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Fluoranthene	ND		68	18	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Fluorene	ND		68	13	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Hexachlorocyclopentadiene	ND		330	35	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Isophorone	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2-Methylphenol	ND		330	97	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Naphthalene	ND		68	13	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1

Client Sample ID: SSHS-IRM5A2-HR-B30
Lab Sample ID: 180-155056-8
Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	86	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Nitrobenzene	ND		680	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Phenanthrene	ND		68	18	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Phenol	ND		330	100	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
Pyrene	ND		68	16	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/21/23 16:25*	*04/22/23 17:57*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/21/23 16:25*	*04/22/23 17:57*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*04/21/23 16:25*	*04/22/23 17:57*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*04/21/23 16:25*	*04/22/23 17:57*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/21/23 16:25*	*04/22/23 17:57*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*04/21/23 16:25*	*04/22/23 17:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1254	ND		17	5.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/19/23 06:03*	*04/22/23 18:05*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/19/23 06:03*	*04/22/23 18:05*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*04/19/23 06:03*	*04/22/23 18:05*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*04/19/23 06:03*	*04/22/23 18:05*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		9.2	2.3	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Antimony	**0.16**	**J**	0.46	0.14	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Arsenic	**12**		0.77	0.48	mg/Kg	☼	05/12/23 06:34	05/15/23 15:03	1
Barium	**50**		9.2	1.6	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Beryllium	**0.28**		0.18	0.050	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1

Client Sample ID: SSHS-IRM5A2-HR-B30

Lab Sample ID: 180-155056-8
Date Collected: 04/13/23 15:35
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.55		0.23	0.034	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Calcium	6100		230	30	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Chromium	9.7		0.23	0.21	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Cobalt	7.9		2.3	0.32	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Copper	13		1.1	0.69	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Iron	16000		4.6	4.5	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Lead	7.2		0.46	0.40	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Magnesium	2400		230	25	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Manganese	310		0.69	0.13	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Nickel	17		1.8	0.23	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Potassium	470		230	39	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Selenium	ND		0.46	0.21	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Silver	ND		0.23	0.048	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Sodium	34	J	230	24	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Thallium	ND		0.92	0.13	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Vanadium	10		2.3	0.36	mg/Kg	☼	04/26/23 12:50	05/04/23 22:13	1
Zinc	63		1.5	1.1	mg/Kg	☼	05/12/23 06:34	05/15/23 15:03	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J B	0.029	0.019	mg/Kg	☼	05/01/23 08:50	05/02/23 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.0		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	98.0		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B31

Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Benzene	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
2-Butanone (MEK)	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Chloroform	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,4-Dioxane	ND		1000	37	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
2-Hexanone	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Methylene Chloride	ND	*+ *1	5.2	4.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.2	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Styrene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Toluene	ND		5.2	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2,3-Trichlorobenzene	ND		5.2	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	04/24/23 07:35	04/24/23 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*04/24/23 07:35*	*04/24/23 19:31*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*04/24/23 07:35*	*04/24/23 19:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*	*04/24/23 07:35*	*04/24/23 19:31*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/24/23 07:35*	*04/24/23 19:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Acetophenone	ND		700	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Anthracene	ND		70	18	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Carbazole	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Chrysene	ND		70	39	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Dibenzofuran	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	600	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Fluorene	ND		70	14	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Hexachloroethane	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Isophorone	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2-Methylphenol	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Naphthalene	ND		70	14	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9
Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Phenol	ND		340	110	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
Pyrene	ND		70	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/21/23 16:25*	*04/22/23 18:18*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*04/21/23 16:25*	*04/22/23 18:18*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*04/21/23 16:25*	*04/22/23 18:18*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*04/21/23 16:25*	*04/22/23 18:18*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/21/23 16:25*	*04/22/23 18:18*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*04/21/23 16:25*	*04/22/23 18:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1254	ND		17	5.2	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1262	ND		17	6.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/19/23 06:03*	*04/22/23 18:23*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/19/23 06:03*	*04/22/23 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*04/19/23 06:03*	*04/22/23 18:23*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*04/19/23 06:03*	*04/22/23 18:23*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		16	3.9	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Antimony	ND		0.78	0.24	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Arsenic	**10**		0.80	0.50	mg/Kg	☼	05/12/23 06:34	05/15/23 15:08	1
Barium	**83**		16	2.8	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Beryllium	**0.47**		0.31	0.085	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Cadmium	**0.83**		0.39	0.057	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1

Client Sample ID: SSHS-IRM5A2-HR-B31
Lab Sample ID: 180-155056-9

Date Collected: 04/13/23 15:40
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 96.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	7100		390	50	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Chromium	14		0.39	0.35	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Cobalt	12		3.9	0.55	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Copper	29		1.9	1.2	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Iron	25000		7.8	7.6	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Lead	15		0.78	0.68	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Magnesium	3500		390	43	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Manganese	450		1.2	0.22	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Nickel	26		3.1	0.39	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Potassium	910		390	66	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Selenium	ND		0.78	0.36	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Silver	ND		0.39	0.081	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Sodium	46	J	390	40	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Thallium	ND		1.6	0.22	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Vanadium	15		3.9	0.62	mg/Kg	☼	04/26/23 12:50	05/04/23 22:18	1
Zinc	64		1.6	1.2	mg/Kg	☼	05/12/23 06:34	05/15/23 15:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	J B	0.033	0.021	mg/Kg	☼	05/01/23 08:50	05/02/23 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.0		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	96.0		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10

Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10

Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,4-Dioxane	ND		1000	35	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Methylene Chloride	ND	*+ *1	5.0	4.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Toluene	ND		5.0	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/24/23 07:35*	*04/24/23 20:00*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*04/24/23 07:35*	*04/24/23 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*04/24/23 07:35*	*04/24/23 20:00*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*04/24/23 07:35*	*04/24/23 20:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Acetophenone	ND		670	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Anthracene	ND		67	17	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Atrazine	ND		670	150	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10
Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		670	41	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Carbazole	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Chrysene	ND		67	37	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	580	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Fluorene	ND		67	13	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Isophorone	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2-Methylphenol	ND		330	96	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Naphthalene	ND		67	13	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10

Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		670	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Phenol	ND		330	100	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
Pyrene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/21/23 16:25*	*04/22/23 18:40*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/21/23 16:25*	*04/22/23 18:40*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*04/21/23 16:25*	*04/22/23 18:40*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*04/21/23 16:25*	*04/22/23 18:40*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/21/23 16:25*	*04/22/23 18:40*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*04/21/23 16:25*	*04/22/23 18:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1221	ND		17	5.9	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/19/23 06:03*	*04/22/23 18:42*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/19/23 06:03*	*04/22/23 18:42*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/19/23 06:03*	*04/22/23 18:42*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*04/19/23 06:03*	*04/22/23 18:42*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		18	4.4	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Antimony	ND		0.89	0.27	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Arsenic	**11**		0.92	0.58	mg/Kg	☼	05/12/23 06:34	05/15/23 15:13	1
Barium	**70**		18	3.2	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Beryllium	**0.39**		0.36	0.097	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Cadmium	**0.65**		0.44	0.065	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Calcium	**4500**		440	57	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1

Client Sample ID: SSHS-IRM5A2-HR-B32
Lab Sample ID: 180-155056-10

Date Collected: 04/13/23 15:45
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 98.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	12		0.44	0.40	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Cobalt	9.8		4.4	0.63	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Copper	19		2.2	1.3	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Iron	21000		8.9	8.7	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Lead	12		0.89	0.78	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Magnesium	2900		440	49	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Manganese	390		1.3	0.25	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Nickel	21		3.6	0.45	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Potassium	850		440	76	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Selenium	ND		0.89	0.41	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Silver	ND		0.44	0.093	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Sodium	ND		440	46	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Thallium	ND		1.8	0.25	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Vanadium	13		4.4	0.70	mg/Kg	☼	04/26/23 12:50	05/04/23 22:23	1
Zinc	72		1.8	1.3	mg/Kg	☼	05/12/23 06:34	05/15/23 15:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.022	mg/Kg	☼	05/01/23 08:50	05/02/23 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	1.4		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	98.6		0.1	0.1	%			04/16/23 09:47	1

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11

Date Collected: 04/13/23 00:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Benzene	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
2-Butanone (MEK)	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Chloroform	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Chloromethane	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2-Dibromoethane	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11

Date Collected: 04/13/23 00:00
Matrix: Solid

Date Received: 04/14/23 09:00
Percent Solids: 99.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,4-Dioxane	ND		990	35	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
2-Hexanone	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Methylene Chloride	ND	*+ *1	4.9	4.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
4-Methyl-2-pentanone (MIBK)	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Styrene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Toluene	ND		4.9	1.4	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2,3-Trichlorobenzene	ND		4.9	2.7	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	04/24/23 07:35	04/24/23 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/24/23 07:35*	*04/24/23 20:28*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*04/24/23 07:35*	*04/24/23 20:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*04/24/23 07:35*	*04/24/23 20:28*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*04/24/23 07:35*	*04/24/23 20:28*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Acenaphthylene	ND		67	15	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Acetophenone	ND		670	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Anthracene	ND		67	17	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Atrazine	ND		670	150	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Benzaldehyde	ND		670	41	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11
Date Collected: 04/13/23 00:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Bis(2-ethylhexyl) phthalate	ND		3300	350	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Caprolactam	ND		1700	220	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Carbazole	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4-Chloroaniline	ND		330	87	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Chrysene	ND		67	37	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Dibenzofuran	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4,6-Dinitro-2-methylphenol	ND	*+	1700	570	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Fluoranthene	ND		67	18	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Fluorene	ND		67	13	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Hexachlorobutadiene	ND		67	19	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Hexachloroethane	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Isophorone	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2-Methylphenol	ND		330	95	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Methylphenol, 3 & 4	ND		330	97	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Naphthalene	ND		67	13	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
3-Nitroaniline	ND		1700	84	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Nitrobenzene	ND		670	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11

Date Collected: 04/13/23 00:00
Matrix: Solid

Date Received: 04/14/23 09:00
Percent Solids: 99.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Pentachlorophenol	ND		1700	530	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Phenanthrene	ND		67	18	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Phenol	ND		330	100	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
Pyrene	ND		67	16	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	04/21/23 16:25	04/22/23 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/21/23 16:25*	*04/22/23 19:02*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*04/21/23 16:25*	*04/22/23 19:02*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*04/21/23 16:25*	*04/22/23 19:02*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*04/21/23 16:25*	*04/22/23 19:02*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/21/23 16:25*	*04/22/23 19:02*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*04/21/23 16:25*	*04/22/23 19:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1221	ND		17	6.0	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1232	ND		17	4.1	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1248	ND		17	4.0	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1254	ND		17	5.0	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1260	ND		17	4.8	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1262	ND		17	5.9	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/19/23 06:03	04/22/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/19/23 06:03*	*04/22/23 19:01*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/19/23 06:03*	*04/22/23 19:01*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*04/19/23 06:03*	*04/22/23 19:01*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*04/19/23 06:03*	*04/22/23 19:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		11	2.7	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Antimony	ND		0.54	0.16	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Arsenic	**23**		0.74	0.47	mg/Kg	☼	05/12/23 06:34	05/15/23 15:28	1
Barium	**55**		11	1.9	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Beryllium	**0.20**	**J**	0.21	0.059	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Cadmium	**0.41**		0.27	0.039	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Calcium	**2600**		270	35	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Chromium	**7.5**		0.27	0.24	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-155056-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP295
Lab Sample ID: 180-155056-11
Date Collected: 04/13/23 00:00
Matrix: Solid
Date Received: 04/14/23 09:00
Percent Solids: 99.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.9		2.7	0.38	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Copper	8.9		1.3	0.81	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Iron	13000		5.4	5.2	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Lead	7.0		0.54	0.47	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Magnesium	1600		270	29	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Manganese	320		0.81	0.15	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Nickel	12		2.1	0.27	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Potassium	410		270	46	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Selenium	ND		0.54	0.25	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Silver	ND		0.27	0.056	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Sodium	ND		270	27	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Thallium	ND		1.1	0.15	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Vanadium	9.0		2.7	0.42	mg/Kg	☼	04/26/23 12:50	05/04/23 22:28	1
Zinc	67		1.5	1.1	mg/Kg	☼	05/12/23 06:34	05/15/23 15:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J B	0.032	0.020	mg/Kg	☼	05/01/23 08:50	05/02/23 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	0.9		0.1	0.1	%			04/16/23 09:47	1
Percent Solids (SM22 2540G)	99.1		0.1	0.1	%			04/16/23 09:47	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-433166/8
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/24/23 12:32	1
Benzene	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
Bromoform	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/24/23 12:32	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/24/23 12:32	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/24/23 12:32	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/24/23 12:32	1
Chloroform	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/24/23 12:32	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/24/23 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/24/23 12:32	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/24/23 12:32	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/24/23 12:32	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/24/23 12:32	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/24/23 12:32	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/24/23 12:32	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/24/23 12:32	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/24/23 12:32	1
Methyl acetate	ND		25	7.4	ug/Kg			04/24/23 12:32	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/24/23 12:32	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/24/23 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/24/23 12:32	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/24/23 12:32	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Styrene	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/24/23 12:32	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Toluene	ND		5.0	1.4	ug/Kg			04/24/23 12:32	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/24/23 12:32	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/24/23 12:32	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/24/23 12:32	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/24/23 12:32	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/24/23 12:32	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433166/8
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/24/23 12:32	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/24/23 12:32	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/24/23 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/24/23 12:32	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/24/23 12:32	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/24/23 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*		*04/24/23 12:32*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*		*04/24/23 12:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*		*04/24/23 12:32*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*		*04/24/23 12:32*	*1*

Lab Sample ID: LCS 180-433166/5
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	28.0		ug/Kg		70	23 - 170
Benzene	40.0	40.7		ug/Kg		102	77 - 120
Bromoform	40.0	49.8		ug/Kg		124	37 - 147
Bromomethane	40.0	36.8		ug/Kg		92	47 - 149
2-Butanone (MEK)	40.0	32.3		ug/Kg		81	39 - 157
Carbon disulfide	40.0	38.8		ug/Kg		97	40 - 156
Carbon tetrachloride	40.0	38.4		ug/Kg		96	73 - 130
Chlorobenzene	40.0	39.4		ug/Kg		98	79 - 122
Chlorobromomethane	40.0	49.0		ug/Kg		122	64 - 128
Chlorodibromomethane	40.0	44.2		ug/Kg		111	60 - 134
Chloroethane	40.0	37.9		ug/Kg		95	37 - 159
Chloroform	40.0	39.4		ug/Kg		98	73 - 126
Chloromethane	40.0	38.5		ug/Kg		96	46 - 151
cis-1,2-Dichloroethene	40.0	41.6		ug/Kg		104	77 - 118
cis-1,3-Dichloropropene	40.0	42.5		ug/Kg		106	73 - 127
Cyclohexane	40.0	36.1		ug/Kg		90	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	51.6		ug/Kg		129	30 - 163
1,2-Dibromoethane	40.0	45.4		ug/Kg		114	59 - 137
1,2-Dichlorobenzene	40.0	41.2		ug/Kg		103	76 - 120
1,3-Dichlorobenzene	40.0	37.3		ug/Kg		93	77 - 121
1,4-Dichlorobenzene	40.0	38.8		ug/Kg		97	79 - 120
Dichlorobromomethane	40.0	43.0		ug/Kg		107	75 - 123
Dichlorodifluoromethane	40.0	38.3		ug/Kg		96	26 - 149
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	73 - 124
1,2-Dichloroethane	40.0	43.2		ug/Kg		108	64 - 140
1,1-Dichloroethene	40.0	35.4		ug/Kg		88	55 - 136
1,2-Dichloroethene, Total	80.0	80.4		ug/Kg		100	77 - 119
1,2-Dichloropropane	40.0	42.1		ug/Kg		105	77 - 119
1,4-Dioxane	800	1150		ug/Kg		143	18 - 166
Ethylbenzene	40.0	36.4		ug/Kg		91	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433166/5
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	39.0		ug/Kg		97	42 - 152
Isopropylbenzene	40.0	37.0		ug/Kg		92	70 - 125
Methyl acetate	80.0	93.2		ug/Kg		117	20 - 170
Methylcyclohexane	40.0	38.3		ug/Kg		96	70 - 125
Methylene Chloride	40.0	59.5	*+	ug/Kg		149	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	42.9		ug/Kg		107	51 - 147
Methyl tert-butyl ether	40.0	45.4		ug/Kg		113	58 - 132
m-Xylene & p-Xylene	40.0	36.0		ug/Kg		90	77 - 120
o-Xylene	40.0	37.6		ug/Kg		94	78 - 118
Styrene	40.0	40.2		ug/Kg		101	80 - 120
1,1,2,2-Tetrachloroethane	40.0	51.7		ug/Kg		129	36 - 170
Tetrachloroethene	40.0	34.5		ug/Kg		86	71 - 121
Toluene	40.0	36.2		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	38.8		ug/Kg		97	75 - 122
trans-1,3-Dichloropropene	40.0	40.2		ug/Kg		100	68 - 133
1,2,3-Trichlorobenzene	40.0	44.2		ug/Kg		110	29 - 166
1,2,4-Trichlorobenzene	40.0	41.4		ug/Kg		103	22 - 170
1,1,1-Trichloroethane	40.0	37.0		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	44.3		ug/Kg		111	66 - 128
Trichloroethene	40.0	38.4		ug/Kg		96	69 - 118
Trichlorofluoromethane	40.0	36.6		ug/Kg		91	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.0		ug/Kg		90	59 - 135
Vinyl chloride	40.0	35.3		ug/Kg		88	64 - 134
Xylenes, Total	80.0	73.6		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Lab Sample ID: LCSD 180-433166/7
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	32.8		ug/Kg		82	23 - 170	16	35
Benzene	40.0	41.1		ug/Kg		103	77 - 120	1	20
Bromoform	40.0	41.0		ug/Kg		103	37 - 147	19	23
Bromomethane	40.0	35.4		ug/Kg		88	47 - 149	4	25
2-Butanone (MEK)	40.0	36.4		ug/Kg		91	39 - 157	12	33
Carbon disulfide	40.0	40.2		ug/Kg		100	40 - 156	4	25
Carbon tetrachloride	40.0	40.1		ug/Kg		100	73 - 130	4	21
Chlorobenzene	40.0	39.2		ug/Kg		98	79 - 122	0	20
Chlorobromomethane	40.0	45.2		ug/Kg		113	64 - 128	8	20
Chlorodibromomethane	40.0	40.4		ug/Kg		101	60 - 134	9	40
Chloroethane	40.0	36.9		ug/Kg		92	37 - 159	3	25
Chloroform	40.0	40.8		ug/Kg		102	73 - 126	4	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433166/7
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	36.1		ug/Kg		90	46 - 151	6	33
cis-1,2-Dichloroethene			40.0	40.3		ug/Kg		101	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	41.4		ug/Kg		103	73 - 127	3	20
Cyclohexane			40.0	40.2		ug/Kg		101	63 - 143	11	25
1,2-Dibromo-3-Chloropropane			40.0	49.3		ug/Kg		123	30 - 163	5	34
1,2-Dibromoethane			40.0	43.2		ug/Kg		108	59 - 137	5	20
1,2-Dichlorobenzene			40.0	39.1		ug/Kg		98	76 - 120	5	20
1,3-Dichlorobenzene			40.0	36.9		ug/Kg		92	77 - 121	1	20
1,4-Dichlorobenzene			40.0	37.6		ug/Kg		94	79 - 120	3	20
Dichlorobromomethane			40.0	41.9		ug/Kg		105	75 - 123	2	20
Dichlorodifluoromethane			40.0	39.7		ug/Kg		99	26 - 149	4	24
1,1-Dichloroethane			40.0	35.2		ug/Kg		88	73 - 124	11	20
1,2-Dichloroethane			40.0	38.4		ug/Kg		96	64 - 140	12	20
1,1-Dichloroethene			40.0	39.4		ug/Kg		98	55 - 136	11	21
1,2-Dichloroethene, Total			80.0	78.6		ug/Kg		98	77 - 119	2	20
1,2-Dichloropropane			40.0	42.3		ug/Kg		106	77 - 119	0	20
1,4-Dioxane			800	1060		ug/Kg		132	18 - 166	8	40
Ethylbenzene			40.0	37.2		ug/Kg		93	79 - 119	2	20
2-Hexanone			40.0	39.4		ug/Kg		98	42 - 152	1	30
Isopropylbenzene			40.0	38.1		ug/Kg		95	70 - 125	3	21
Methyl acetate			80.0	83.7		ug/Kg		105	20 - 170	11	33
Methylcyclohexane			40.0	41.2		ug/Kg		103	70 - 125	7	22
Methylene Chloride			40.0	41.3	*1	ug/Kg		103	67 - 131	36	32
4-Methyl-2-pentanone (MIBK)			40.0	36.7		ug/Kg		92	51 - 147	15	27
Methyl tert-butyl ether			40.0	39.5		ug/Kg		99	58 - 132	14	24
m-Xylene & p-Xylene			40.0	36.1		ug/Kg		90	77 - 120	0	20
o-Xylene			40.0	38.8		ug/Kg		97	78 - 118	3	20
Styrene			40.0	38.6		ug/Kg		97	80 - 120	4	20
1,1,2,2-Tetrachloroethane			40.0	46.1		ug/Kg		115	36 - 170	12	23
Tetrachloroethene			40.0	33.4		ug/Kg		83	71 - 121	3	21
Toluene			40.0	35.5		ug/Kg		89	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	38.2		ug/Kg		96	75 - 122	2	20
trans-1,3-Dichloropropene			40.0	38.8		ug/Kg		97	68 - 133	3	20
1,2,3-Trichlorobenzene			40.0	37.9		ug/Kg		95	29 - 166	15	40
1,2,4-Trichlorobenzene			40.0	35.9		ug/Kg		90	22 - 170	14	29
1,1,1-Trichloroethane			40.0	40.5		ug/Kg		101	72 - 134	9	20
1,1,2-Trichloroethane			40.0	42.5		ug/Kg		106	66 - 128	4	21
Trichloroethene			40.0	38.1		ug/Kg		95	69 - 118	1	20
Trichlorofluoromethane			40.0	36.7		ug/Kg		92	32 - 149	0	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.7		ug/Kg		92	59 - 135	2	28
Vinyl chloride			40.0	33.8		ug/Kg		85	64 - 134	4	23
Xylenes, Total			80.0	74.9		ug/Kg		94	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-433166/7
Matrix: Solid
Analysis Batch: 433166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*87*		*67 - 134*

Lab Sample ID: MB 180-433523/7
Matrix: Solid
Analysis Batch: 433523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/27/23 09:08	1
Benzene	ND		5.0	1.4	ug/Kg			04/27/23 09:08	1
Bromoform	ND		5.0	2.5	ug/Kg			04/27/23 09:08	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/27/23 09:08	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/27/23 09:08	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/27/23 09:08	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/27/23 09:08	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/27/23 09:08	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/27/23 09:08	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/27/23 09:08	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/27/23 09:08	1
Chloroform	ND		5.0	1.6	ug/Kg			04/27/23 09:08	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/27/23 09:08	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/27/23 09:08	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/27/23 09:08	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/27/23 09:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/27/23 09:08	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/27/23 09:08	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/27/23 09:08	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/27/23 09:08	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/27/23 09:08	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/27/23 09:08	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/27/23 09:08	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/27/23 09:08	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/27/23 09:08	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/27/23 09:08	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/27/23 09:08	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/27/23 09:08	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/27/23 09:08	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/27/23 09:08	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/27/23 09:08	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/27/23 09:08	1
Methyl acetate	ND		25	7.4	ug/Kg			04/27/23 09:08	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/27/23 09:08	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/27/23 09:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/27/23 09:08	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/27/23 09:08	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/27/23 09:08	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/27/23 09:08	1
Styrene	ND		5.0	1.5	ug/Kg			04/27/23 09:08	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/27/23 09:08	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-433523/7
Matrix: Solid
Analysis Batch: 433523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/27/23 09:08	1
Toluene	ND		5.0	1.4	ug/Kg			04/27/23 09:08	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/27/23 09:08	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/27/23 09:08	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/27/23 09:08	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/27/23 09:08	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/27/23 09:08	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/27/23 09:08	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/27/23 09:08	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/27/23 09:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/27/23 09:08	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/27/23 09:08	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/27/23 09:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*		*04/27/23 09:08*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*		*04/27/23 09:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*		*04/27/23 09:08*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*04/27/23 09:08*	*1*

Lab Sample ID: LCS 180-433523/4
Matrix: Solid
Analysis Batch: 433523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	32.6		ug/Kg		81	23 - 170
Benzene	40.0	35.8		ug/Kg		89	77 - 120
Bromoform	40.0	36.4		ug/Kg		91	37 - 147
Bromomethane	40.0	18.3	*-	ug/Kg		46	47 - 149
2-Butanone (MEK)	40.0	31.7		ug/Kg		79	39 - 157
Carbon disulfide	40.0	31.9		ug/Kg		80	40 - 156
Carbon tetrachloride	40.0	33.8		ug/Kg		84	73 - 130
Chlorobenzene	40.0	36.1		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	36.8		ug/Kg		92	64 - 128
Chlorodibromomethane	40.0	37.3		ug/Kg		93	60 - 134
Chloroethane	40.0	38.2		ug/Kg		96	37 - 159
Chloroform	40.0	38.9		ug/Kg		97	73 - 126
Chloromethane	40.0	22.0		ug/Kg		55	46 - 151
cis-1,2-Dichloroethene	40.0	37.3		ug/Kg		93	77 - 118
cis-1,3-Dichloropropene	40.0	39.5		ug/Kg		99	73 - 127
Cyclohexane	40.0	34.4		ug/Kg		86	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.7		ug/Kg		104	30 - 163
1,2-Dibromoethane	40.0	37.0		ug/Kg		92	59 - 137
1,2-Dichlorobenzene	40.0	36.8		ug/Kg		92	76 - 120
1,3-Dichlorobenzene	40.0	36.5		ug/Kg		91	77 - 121
1,4-Dichlorobenzene	40.0	37.7		ug/Kg		94	79 - 120
Dichlorobromomethane	40.0	36.9		ug/Kg		92	75 - 123
Dichlorodifluoromethane	40.0	30.4		ug/Kg		76	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-433523/4
Matrix: Solid
Analysis Batch: 433523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	35.6		ug/Kg		89	73 - 124
1,2-Dichloroethane	40.0	38.8		ug/Kg		97	64 - 140
1,1-Dichloroethene	40.0	33.2		ug/Kg		83	55 - 136
1,2-Dichloroethene, Total	80.0	72.0		ug/Kg		90	77 - 119
1,2-Dichloropropane	40.0	38.4		ug/Kg		96	77 - 119
1,4-Dioxane	800	723	J	ug/Kg		90	18 - 166
Ethylbenzene	40.0	35.9		ug/Kg		90	79 - 119
2-Hexanone	40.0	29.3		ug/Kg		73	42 - 152
Isopropylbenzene	40.0	36.2		ug/Kg		90	70 - 125
Methyl acetate	80.0	111		ug/Kg		139	20 - 170
Methylcyclohexane	40.0	33.0		ug/Kg		82	70 - 125
Methylene Chloride	40.0	39.8		ug/Kg		100	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	37.6		ug/Kg		94	51 - 147
Methyl tert-butyl ether	40.0	39.2		ug/Kg		98	58 - 132
m-Xylene & p-Xylene	40.0	38.1		ug/Kg		95	77 - 120
o-Xylene	40.0	36.5		ug/Kg		91	78 - 118
Styrene	40.0	37.0		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	40.0	43.8		ug/Kg		110	36 - 170
Tetrachloroethene	40.0	36.2		ug/Kg		90	71 - 121
Toluene	40.0	35.5		ug/Kg		89	76 - 120
trans-1,2-Dichloroethene	40.0	34.7		ug/Kg		87	75 - 122
trans-1,3-Dichloropropene	40.0	39.0		ug/Kg		98	68 - 133
1,2,3-Trichlorobenzene	40.0	40.0		ug/Kg		100	29 - 166
1,2,4-Trichlorobenzene	40.0	40.8		ug/Kg		102	22 - 170
1,1,1-Trichloroethane	40.0	36.1		ug/Kg		90	72 - 134
1,1,2-Trichloroethane	40.0	37.5		ug/Kg		94	66 - 128
Trichloroethene	40.0	35.8		ug/Kg		89	69 - 118
Trichlorofluoromethane	40.0	40.8		ug/Kg		102	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.8		ug/Kg		87	59 - 135
Vinyl chloride	40.0	30.4		ug/Kg		76	64 - 134
Xylenes, Total	80.0	74.6		ug/Kg		93	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-433060/1-A
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Acenaphthylene	ND		67	15	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Acetophenone	ND		670	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-433060/1-A
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Atrazine	ND		670	150	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Benzaldehyde	ND		670	41	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Caprolactam	ND		1700	220	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Carbazole	ND		67	16	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4-Chloroaniline	ND		330	88	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2-Chlorophenol	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Chrysene	ND		67	37	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Dibenzofuran	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Diethyl phthalate	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
1,4-Dioxane	ND		670	100	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Fluoranthene	ND		67	18	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Fluorene	ND		67	13	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Hexachloroethane	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Isophorone	ND		330	130	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2-Methylphenol	ND		330	96	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Naphthalene	ND		67	13	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/21/23 16:25	04/22/23 12:52	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-433060/1-A
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Nitrobenzene	ND		670	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2-Nitrophenol	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Phenanthrene	ND		67	18	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Phenol	ND		330	100	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
Pyrene	ND		67	16	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/21/23 16:25	04/22/23 12:52	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/21/23 16:25	04/22/23 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*04/21/23 16:25*	*04/22/23 12:52*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*04/21/23 16:25*	*04/22/23 12:52*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*04/21/23 16:25*	*04/22/23 12:52*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*04/21/23 16:25*	*04/22/23 12:52*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*04/21/23 16:25*	*04/22/23 12:52*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*04/21/23 16:25*	*04/22/23 12:52*	*1*

Lab Sample ID: LCS 180-433060/2-A
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	5610		ug/Kg		84	50 - 100
Acenaphthylene	6670	5660		ug/Kg		85	52 - 100
Acetophenone	6670	5490		ug/Kg		82	48 - 100
Anthracene	6670	5510		ug/Kg		83	53 - 100
Atrazine	6670	5680		ug/Kg		85	49 - 103
Benzaldehyde	6670	4360		ug/Kg		65	23 - 105
Benzo[a]anthracene	6670	5650		ug/Kg		85	51 - 100
Benzo[a]pyrene	6670	5400		ug/Kg		81	51 - 100
Benzo[b]fluoranthene	6670	5380		ug/Kg		81	48 - 100
Benzo[g,h,i]perylene	6670	5330		ug/Kg		80	48 - 105
Benzo[k]fluoranthene	6670	4920		ug/Kg		74	19 - 100
1,1'-Biphenyl	6670	5480		ug/Kg		82	50 - 100
Bis(2-chloroethoxy)methane	6670	4890		ug/Kg		73	49 - 100
Bis(2-chloroethyl)ether	6670	5870		ug/Kg		88	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5830		ug/Kg		87	53 - 107
4-Bromophenyl phenyl ether	6670	5790		ug/Kg		87	52 - 101
Butyl benzyl phthalate	6670	6000		ug/Kg		90	52 - 107
Caprolactam	6670	6540		ug/Kg		98	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-433060/2-A
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	5340		ug/Kg		80	53 - 100
4-Chloroaniline	6670	5430		ug/Kg		81	47 - 100
4-Chloro-3-methylphenol	6670	6160		ug/Kg		92	49 - 106
2-Chloronaphthalene	6670	5120		ug/Kg		77	51 - 100
2-Chlorophenol	6670	5570		ug/Kg		84	51 - 100
4-Chlorophenyl phenyl ether	6670	5680		ug/Kg		85	52 - 100
Chrysene	6670	5260		ug/Kg		79	50 - 100
Dibenz(a,h)anthracene	6670	5740		ug/Kg		86	50 - 107
Dibenzofuran	6670	5280		ug/Kg		79	52 - 100
3,3'-Dichlorobenzidine	6670	5310		ug/Kg		80	43 - 100
2,4-Dichlorophenol	6670	6140		ug/Kg		92	53 - 101
Diethyl phthalate	6670	5270		ug/Kg		79	48 - 104
2,4-Dimethylphenol	6670	5940		ug/Kg		89	51 - 101
Dimethyl phthalate	6670	5600		ug/Kg		84	53 - 100
Di-n-butyl phthalate	6670	5620		ug/Kg		84	57 - 102
4,6-Dinitro-2-methylphenol	13300	13800	*+	ug/Kg		104	51 - 100
2,4-Dinitrophenol	13300	13300		ug/Kg		100	33 - 101
2,4-Dinitrotoluene	6670	6100		ug/Kg		91	54 - 104
2,6-Dinitrotoluene	6670	5730		ug/Kg		86	51 - 106
Di-n-octyl phthalate	6670	5660		ug/Kg		85	41 - 106
1,4-Dioxane	6670	5930		ug/Kg		89	25 - 125
Fluoranthene	6670	5610		ug/Kg		84	55 - 100
Fluorene	6670	5350		ug/Kg		80	52 - 100
Hexachlorobenzene	6670	5330		ug/Kg		80	49 - 100
Hexachlorobutadiene	6670	5430		ug/Kg		81	38 - 107
Hexachlorocyclopentadiene	6670	6030		ug/Kg		90	33 - 117
Hexachloroethane	6670	5680		ug/Kg		85	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5430		ug/Kg		81	51 - 103
Isophorone	6670	6490		ug/Kg		97	48 - 105
2-Methylnaphthalene	6670	5660		ug/Kg		85	53 - 100
2-Methylphenol	6670	5810		ug/Kg		87	50 - 101
Methylphenol, 3 & 4	6670	6050		ug/Kg		91	50 - 103
Naphthalene	6670	5490		ug/Kg		82	51 - 100
2-Nitroaniline	6670	6280		ug/Kg		94	42 - 123
3-Nitroaniline	6670	5950		ug/Kg		89	50 - 103
4-Nitroaniline	6670	5550		ug/Kg		83	52 - 103
Nitrobenzene	6670	6360		ug/Kg		95	44 - 108
2-Nitrophenol	6670	6610		ug/Kg		99	55 - 107
4-Nitrophenol	13300	9800		ug/Kg		74	30 - 134
N-Nitrosodi-n-propylamine	6670	6300		ug/Kg		94	45 - 107
N-Nitrosodiphenylamine	6670	5830		ug/Kg		87	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5850		ug/Kg		88	30 - 113
Pentachlorophenol	13300	11800		ug/Kg		88	42 - 110
Phenanthrene	6670	5240		ug/Kg		79	53 - 100
Phenol	6670	6100		ug/Kg		91	49 - 100
Pyrene	6670	5900		ug/Kg		88	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5590		ug/Kg		84	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5980		ug/Kg		90	47 - 104
2,4,5-Trichlorophenol	6670	5900		ug/Kg		88	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-433060/2-A
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433060

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	6290		ug/Kg		94	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 105*
2-Fluorophenol (Surr)	*90*		*48 - 105*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*
Phenol-d5 (Surr)	*94*		*46 - 105*
Terphenyl-d14 (Surr)	*90*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*83*		*34 - 108*

Lab Sample ID: 180-155056-1 MS
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: SSHS-IRM5A2-HR-B23
Prep Type: Total/NA
Prep Batch: 433060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		6750	5030		ug/Kg	☼	75	50 - 100		
Acenaphthylene	ND		6750	5140		ug/Kg	☼	76	52 - 100		
Acetophenone	ND		6750	4680		ug/Kg	☼	69	48 - 100		
Anthracene	ND		6750	4990		ug/Kg	☼	74	53 - 100		
Atrazine	ND		6750	5190		ug/Kg	☼	77	49 - 103		
Benzaldehyde	ND		6750	4560		ug/Kg	☼	68	23 - 105		
Benzo[a]anthracene	ND		6750	5260		ug/Kg	☼	78	51 - 100		
Benzo[a]pyrene	ND		6750	5110		ug/Kg	☼	76	51 - 100		
Benzo[b]fluoranthene	ND		6750	5000		ug/Kg	☼	74	48 - 100		
Benzo[g,h,i]perylene	ND		6750	5140		ug/Kg	☼	76	48 - 105		
Benzo[k]fluoranthene	ND		6750	4770		ug/Kg	☼	71	19 - 100		
1,1'-Biphenyl	ND		6750	4960		ug/Kg	☼	73	50 - 100		
Bis(2-chloroethoxy)methane	ND		6750	4490		ug/Kg	☼	67	49 - 100		
Bis(2-chloroethyl)ether	ND		6750	4860		ug/Kg	☼	72	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		6750	5270		ug/Kg	☼	78	53 - 107		
4-Bromophenyl phenyl ether	ND		6750	5290		ug/Kg	☼	78	52 - 101		
Butyl benzyl phthalate	ND		6750	5550		ug/Kg	☼	82	52 - 107		
Caprolactam	ND		6750	4380		ug/Kg	☼	65	48 - 111		
Carbazole	ND		6750	4960		ug/Kg	☼	73	53 - 100		
4-Chloroaniline	ND		6750	4700		ug/Kg	☼	70	47 - 100		
4-Chloro-3-methylphenol	ND		6750	5520		ug/Kg	☼	82	49 - 106		
2-Chloronaphthalene	ND		6750	4620		ug/Kg	☼	68	51 - 100		
2-Chlorophenol	ND		6750	4670		ug/Kg	☼	69	51 - 100		
4-Chlorophenyl phenyl ether	ND		6750	5240		ug/Kg	☼	78	52 - 100		
Chrysene	ND		6750	4860		ug/Kg	☼	72	50 - 100		
Dibenz(a,h)anthracene	ND		6750	5380		ug/Kg	☼	80	50 - 107		
Dibenzofuran	ND		6750	4950		ug/Kg	☼	73	52 - 100		
3,3'-Dichlorobenzidine	ND		6750	4740		ug/Kg	☼	70	43 - 100		
2,4-Dichlorophenol	ND		6750	5380		ug/Kg	☼	80	53 - 101		
Diethyl phthalate	ND		6750	4880		ug/Kg	☼	72	48 - 104		
2,4-Dimethylphenol	ND		6750	4700		ug/Kg	☼	70	51 - 101		
Dimethyl phthalate	ND		6750	5110		ug/Kg	☼	76	53 - 100		
Di-n-butyl phthalate	ND		6750	5240		ug/Kg	☼	78	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-155056-1 MS
Client Sample ID: SSHS-IRM5A2-HR-B23
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433093
Prep Batch: 433060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND	*+	13500	11600		ug/Kg	☼	86	51 - 100
2,4-Dinitrophenol	ND		13500	8140		ug/Kg	☼	60	33 - 101
2,4-Dinitrotoluene	ND		6750	5650		ug/Kg	☼	84	54 - 104
2,6-Dinitrotoluene	ND		6750	5490		ug/Kg	☼	81	51 - 106
Di-n-octyl phthalate	ND		6750	5350		ug/Kg	☼	79	41 - 106
1,4-Dioxane	ND		6750	4150		ug/Kg	☼	62	25 - 125
Fluoranthene	ND		6750	5270		ug/Kg	☼	78	55 - 100
Fluorene	ND		6750	4980		ug/Kg	☼	74	52 - 100
Hexachlorobenzene	ND		6750	4970		ug/Kg	☼	74	49 - 100
Hexachlorobutadiene	ND		6750	4680		ug/Kg	☼	69	38 - 107
Hexachlorocyclopentadiene	ND		6750	5180		ug/Kg	☼	77	33 - 117
Hexachloroethane	ND		6750	4600		ug/Kg	☼	68	47 - 100
Indeno[1,2,3-cd]pyrene	ND		6750	5130		ug/Kg	☼	76	51 - 103
Isophorone	ND		6750	5630		ug/Kg	☼	83	48 - 105
2-Methylnaphthalene	ND		6750	4950		ug/Kg	☼	73	53 - 100
2-Methylphenol	ND		6750	4880		ug/Kg	☼	72	50 - 101
Methylphenol, 3 & 4	ND		6750	5010		ug/Kg	☼	74	50 - 103
Naphthalene	ND		6750	4770		ug/Kg	☼	71	51 - 100
2-Nitroaniline	ND		6750	5740		ug/Kg	☼	85	42 - 123
3-Nitroaniline	ND		6750	5150		ug/Kg	☼	76	50 - 103
4-Nitroaniline	ND		6750	4850		ug/Kg	☼	72	52 - 103
Nitrobenzene	ND		6750	5330		ug/Kg	☼	79	44 - 108
2-Nitrophenol	ND		6750	5690		ug/Kg	☼	84	55 - 107
4-Nitrophenol	ND		13500	8910		ug/Kg	☼	66	30 - 134
N-Nitrosodi-n-propylamine	ND		6750	5540		ug/Kg	☼	82	45 - 107
N-Nitrosodiphenylamine	ND		6750	5200		ug/Kg	☼	77	52 - 100
2,2'-oxybis[1-chloropropane]	ND		6750	4860		ug/Kg	☼	72	30 - 113
Pentachlorophenol	ND		13500	9730		ug/Kg	☼	72	42 - 110
Phenanthrene	ND		6750	4800		ug/Kg	☼	71	53 - 100
Phenol	ND		6750	5150		ug/Kg	☼	76	49 - 100
Pyrene	ND		6750	5360		ug/Kg	☼	79	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		6750	5110		ug/Kg	☼	76	41 - 104
2,3,4,6-Tetrachlorophenol	ND		6750	5300		ug/Kg	☼	79	47 - 104
2,4,5-Trichlorophenol	ND		6750	5420		ug/Kg	☼	80	50 - 104
2,4,6-Trichlorophenol	ND		6750	5640		ug/Kg	☼	84	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*44 - 105*
2-Fluorophenol (Surr)	*70*		*48 - 105*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*80*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-155056-1 MSD
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: SSHS-IRM5A2-HR-B23
Prep Type: Total/NA
Prep Batch: 433060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		6880	4960		ug/Kg	☼	72	50 - 100	1	20
Acenaphthylene	ND		6880	4950		ug/Kg	☼	72	52 - 100	4	20
Acetophenone	ND		6880	4660		ug/Kg	☼	68	48 - 100	0	17
Anthracene	ND		6880	5160		ug/Kg	☼	75	53 - 100	3	20
Atrazine	ND		6880	5230		ug/Kg	☼	76	49 - 103	1	19
Benzaldehyde	ND		6880	4810		ug/Kg	☼	70	23 - 105	5	31
Benzo[a]anthracene	ND		6880	5230		ug/Kg	☼	76	51 - 100	1	21
Benzo[a]pyrene	ND		6880	5070		ug/Kg	☼	74	51 - 100	1	20
Benzo[b]fluoranthene	ND		6880	5200		ug/Kg	☼	76	48 - 100	4	20
Benzo[g,h,i]perylene	ND		6880	5000		ug/Kg	☼	73	48 - 105	3	19
Benzo[k]fluoranthene	ND		6880	4410		ug/Kg	☼	64	19 - 100	8	20
1,1'-Biphenyl	ND		6880	4780		ug/Kg	☼	69	50 - 100	4	19
Bis(2-chloroethoxy)methane	ND		6880	4440		ug/Kg	☼	65	49 - 100	1	20
Bis(2-chloroethyl)ether	ND		6880	4830		ug/Kg	☼	70	48 - 100	1	18
Bis(2-ethylhexyl) phthalate	ND		6880	5250		ug/Kg	☼	76	53 - 107	0	20
4-Bromophenyl phenyl ether	ND		6880	5360		ug/Kg	☼	78	52 - 101	1	20
Butyl benzyl phthalate	ND		6880	5440		ug/Kg	☼	79	52 - 107	2	19
Caprolactam	ND		6880	4450		ug/Kg	☼	65	48 - 111	1	23
Carbazole	ND		6880	5050		ug/Kg	☼	73	53 - 100	2	20
4-Chloroaniline	ND		6880	4730		ug/Kg	☼	69	47 - 100	1	20
4-Chloro-3-methylphenol	ND		6880	5430		ug/Kg	☼	79	49 - 106	2	20
2-Chloronaphthalene	ND		6880	4440		ug/Kg	☼	64	51 - 100	4	20
2-Chlorophenol	ND		6880	4640		ug/Kg	☼	67	51 - 100	1	17
4-Chlorophenyl phenyl ether	ND		6880	4960		ug/Kg	☼	72	52 - 100	5	19
Chrysene	ND		6880	4790		ug/Kg	☼	70	50 - 100	1	20
Dibenz(a,h)anthracene	ND		6880	5310		ug/Kg	☼	77	50 - 107	1	21
Dibenzofuran	ND		6880	4730		ug/Kg	☼	69	52 - 100	5	19
3,3'-Dichlorobenzidine	ND		6880	4870		ug/Kg	☼	71	43 - 100	3	19
2,4-Dichlorophenol	ND		6880	5380		ug/Kg	☼	78	53 - 101	0	22
Diethyl phthalate	ND		6880	4720		ug/Kg	☼	69	48 - 104	3	20
2,4-Dimethylphenol	ND		6880	4580		ug/Kg	☼	67	51 - 101	3	32
Dimethyl phthalate	ND		6880	4940		ug/Kg	☼	72	53 - 100	3	21
Di-n-butyl phthalate	ND		6880	5290		ug/Kg	☼	77	57 - 102	1	20
4,6-Dinitro-2-methylphenol	ND	*+	13800	11600		ug/Kg	☼	85	51 - 100	0	22
2,4-Dinitrophenol	ND		13800	8210		ug/Kg	☼	60	33 - 101	1	20
2,4-Dinitrotoluene	ND		6880	5430		ug/Kg	☼	79	54 - 104	4	20
2,6-Dinitrotoluene	ND		6880	5170		ug/Kg	☼	75	51 - 106	6	20
Di-n-octyl phthalate	ND		6880	5290		ug/Kg	☼	77	41 - 106	1	18
1,4-Dioxane	ND		6880	4060		ug/Kg	☼	59	25 - 125	2	17
Fluoranthene	ND		6880	5330		ug/Kg	☼	77	55 - 100	1	20
Fluorene	ND		6880	4820		ug/Kg	☼	70	52 - 100	3	19
Hexachlorobenzene	ND		6880	5110		ug/Kg	☼	74	49 - 100	3	20
Hexachlorobutadiene	ND		6880	4610		ug/Kg	☼	67	38 - 107	2	22
Hexachlorocyclopentadiene	ND		6880	4980		ug/Kg	☼	72	33 - 117	4	19
Hexachloroethane	ND		6880	4550		ug/Kg	☼	66	47 - 100	1	17
Indeno[1,2,3-cd]pyrene	ND		6880	5000		ug/Kg	☼	73	51 - 103	3	19
Isophorone	ND		6880	5590		ug/Kg	☼	81	48 - 105	1	20
2-Methylnaphthalene	ND		6880	5020		ug/Kg	☼	73	53 - 100	1	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-155056-1 MSD
Matrix: Solid
Analysis Batch: 433093

Client Sample ID: SSHS-IRM5A2-HR-B23
Prep Type: Total/NA
Prep Batch: 433060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		6880	4910		ug/Kg	☼	71	50 - 101	1	17
Methylphenol, 3 & 4	ND		6880	5000		ug/Kg	☼	73	50 - 103	0	19
Naphthalene	ND		6880	4700		ug/Kg	☼	68	51 - 100	1	20
2-Nitroaniline	ND		6880	5460		ug/Kg	☼	79	42 - 123	5	19
3-Nitroaniline	ND		6880	4930		ug/Kg	☼	72	50 - 103	4	20
4-Nitroaniline	ND		6880	4750		ug/Kg	☼	69	52 - 103	2	18
Nitrobenzene	ND		6880	5350		ug/Kg	☼	78	44 - 108	0	21
2-Nitrophenol	ND		6880	5540		ug/Kg	☼	81	55 - 107	3	19
4-Nitrophenol	ND		13800	8430		ug/Kg	☼	61	30 - 134	6	18
N-Nitrosodi-n-propylamine	ND		6880	5470		ug/Kg	☼	79	45 - 107	1	18
N-Nitrosodiphenylamine	ND		6880	5340		ug/Kg	☼	78	52 - 100	3	20
2,2'-oxybis[1-chloropropane]	ND		6880	4850		ug/Kg	☼	70	30 - 113	0	17
Pentachlorophenol	ND		13800	10000		ug/Kg	☼	73	42 - 110	3	20
Phenanthrene	ND		6880	4890		ug/Kg	☼	71	53 - 100	2	20
Phenol	ND		6880	4970		ug/Kg	☼	72	49 - 100	4	16
Pyrene	ND		6880	5320		ug/Kg	☼	77	52 - 100	1	20
1,2,4,5-Tetrachlorobenzene	ND		6880	4880		ug/Kg	☼	71	41 - 104	5	21
2,3,4,6-Tetrachlorophenol	ND		6880	5100		ug/Kg	☼	74	47 - 104	4	18
2,4,5-Trichlorophenol	ND		6880	5150		ug/Kg	☼	75	50 - 104	5	21
2,4,6-Trichlorophenol	ND		6880	5450		ug/Kg	☼	79	50 - 105	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*65*		*48 - 105*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*78*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-432715/1-A
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1221	ND		17	5.9	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1232	ND		17	4.1	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1242	ND		17	2.4	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1248	ND		17	4.0	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1254	ND		17	5.0	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1260	ND		17	4.7	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1262	ND		17	5.9	ug/Kg		04/19/23 06:03	04/22/23 14:18	1
PCB-1268	ND		17	2.2	ug/Kg		04/19/23 06:03	04/22/23 14:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*04/19/23 06:03*	*04/22/23 14:18*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-432715/1-A
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432715

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	109		63 - 138	04/19/23 06:03	04/22/23 14:18	1
Tetrachloro-m-xylene (Surr)	100		55 - 135	04/19/23 06:03	04/22/23 14:18	1
Tetrachloro-m-xylene (Surr)	98		55 - 135	04/19/23 06:03	04/22/23 14:18	1

Lab Sample ID: LCS 180-432715/2-A
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432715

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1340		ug/Kg		100	43 - 136		
PCB-1260			1330	1380		ug/Kg		103	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	103		63 - 138
DCB Decachlorobiphenyl (Surr)	105		63 - 138
Tetrachloro-m-xylene (Surr)	103		55 - 135
Tetrachloro-m-xylene (Surr)	103		55 - 135

Lab Sample ID: 180-155056-1 MS
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: SSHS-IRM5A2-HR-B23
Prep Type: Total/NA
Prep Batch: 432715

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1380	1410		ug/Kg	☼	102	43 - 136		
PCB-1260	ND		1380	1460		ug/Kg	☼	106	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	102		63 - 138
DCB Decachlorobiphenyl (Surr)	106		63 - 138
Tetrachloro-m-xylene (Surr)	108		55 - 135
Tetrachloro-m-xylene (Surr)	103		55 - 135

Lab Sample ID: 180-155056-1 MSD
Matrix: Solid
Analysis Batch: 433079

Client Sample ID: SSHS-IRM5A2-HR-B23
Prep Type: Total/NA
Prep Batch: 432715

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1360	1450		ug/Kg	☼	107	43 - 136	3	40
PCB-1260	ND		1360	1440		ug/Kg	☼	106	55 - 128	1	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	104		63 - 138
DCB Decachlorobiphenyl (Surr)	104		63 - 138
Tetrachloro-m-xylene (Surr)	102		55 - 135
Tetrachloro-m-xylene (Surr)	101		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-433470/1-A
Matrix: Solid
Analysis Batch: 434338

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Antimony	ND		1.0	0.30	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Barium	ND		20	3.6	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Beryllium	ND		0.40	0.11	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Cadmium	ND		0.50	0.073	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Calcium	ND		500	65	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Chromium	ND		0.50	0.46	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Cobalt	ND		5.0	0.70	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Copper	ND		2.5	1.5	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Iron	ND		10	9.7	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Lead	ND		1.0	0.87	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Magnesium	ND		500	55	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Manganese	ND		1.5	0.28	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Nickel	ND		4.0	0.50	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Potassium	ND		500	85	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Selenium	ND		1.0	0.46	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Silver	ND		0.50	0.10	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Sodium	ND		500	51	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Thallium	ND		2.0	0.28	mg/Kg		04/26/23 12:50	05/04/23 20:16	1
Vanadium	ND		5.0	0.79	mg/Kg		04/26/23 12:50	05/04/23 20:16	1

Lab Sample ID: LCS 180-433470/2-A
Matrix: Solid
Analysis Batch: 434338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	436		mg/Kg		87	80 - 120
Antimony	25.0	24.8		mg/Kg		99	80 - 120
Barium	100	91.5		mg/Kg		92	80 - 120
Beryllium	50.0	45.1		mg/Kg		90	80 - 120
Cadmium	50.0	49.0		mg/Kg		98	80 - 120
Calcium	2500	2350		mg/Kg		94	80 - 120
Chromium	50.0	48.2		mg/Kg		96	80 - 120
Cobalt	50.0	45.5		mg/Kg		91	80 - 120
Copper	50.0	48.8		mg/Kg		98	80 - 120
Iron	500	450		mg/Kg		90	80 - 120
Lead	50.0	44.5		mg/Kg		89	80 - 120
Magnesium	2500	2190		mg/Kg		87	80 - 120
Manganese	50.0	44.4		mg/Kg		89	80 - 120
Nickel	50.0	46.4		mg/Kg		93	80 - 120
Potassium	2500	2350		mg/Kg		94	80 - 120
Selenium	100	96.7		mg/Kg		97	80 - 120
Silver	25.0	23.4		mg/Kg		94	80 - 120
Sodium	2500	2350		mg/Kg		94	80 - 120
Thallium	100	89.1		mg/Kg		89	80 - 120
Vanadium	50.0	46.9		mg/Kg		94	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-434990/1-A
Matrix: Solid
Analysis Batch: 435239

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 434990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		05/12/23 06:34	05/15/23 13:34	1
Zinc	ND		2.0	1.5	mg/Kg		05/12/23 06:34	05/15/23 13:34	1

Lab Sample ID: LCS 180-434990/2-A
Matrix: Solid
Analysis Batch: 435239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 434990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	109		mg/Kg		109	80 - 120
Zinc	25.0	28.6		mg/Kg		114	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-433818/1-A
Matrix: Solid
Analysis Batch: 434050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0297	J	0.033	0.021	mg/Kg		05/01/23 08:50	05/02/23 13:06	1

Lab Sample ID: LCS 180-433818/2-A
Matrix: Solid
Analysis Batch: 434050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.428		mg/Kg		103	80 - 120

GC/MS VOA

Analysis Batch: 433166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	EPA 8260C	433210
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	EPA 8260C	433210
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 8260C	433210
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	EPA 8260C	433210
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	EPA 8260C	433210
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	EPA 8260C	433210
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	EPA 8260C	433210
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	EPA 8260C	433210
MB 180-433166/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433166/5	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-433166/7	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 433210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	5035	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	5035	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	5035	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	5035	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	5035	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	5035	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	5035	
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	5035	

Analysis Batch: 433523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8260C	433599
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	EPA 8260C	433599
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	EPA 8260C	433599
MB 180-433523/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-433523/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 433599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	5035	
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	5035	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 433060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3541	
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	3541	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	3541	
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	3541	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	3541	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	3541	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	3541	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	3541	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	3541	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 433060 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	3541	
MB 180-433060/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-433060/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-155056-1 MS	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3541	
180-155056-1 MSD	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3541	

Analysis Batch: 433093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8270D	433060
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	EPA 8270D	433060
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	EPA 8270D	433060
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	EPA 8270D	433060
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 8270D	433060
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	EPA 8270D	433060
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	EPA 8270D	433060
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	EPA 8270D	433060
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	EPA 8270D	433060
MB 180-433060/1-A	Method Blank	Total/NA	Solid	EPA 8270D	433060
LCS 180-433060/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	433060
180-155056-1 MS	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8270D	433060
180-155056-1 MSD	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8270D	433060

Analysis Batch: 433191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	EPA 8270D	433060
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	EPA 8270D	433060

GC Semi VOA

Prep Batch: 432715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3541	
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	3541	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	3541	
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	3541	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	3541	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	3541	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	3541	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	3541	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	3541	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	3541	
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	3541	
MB 180-432715/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-432715/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-155056-1 MS	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3541	
180-155056-1 MSD	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3541	

Cleanup Batch: 432797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3665A	432715
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	3665A	432715

GC Semi VOA (Continued)

Cleanup Batch: 432797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	3665A	432715
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	3665A	432715
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	3665A	432715
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	3665A	432715
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	3665A	432715
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	3665A	432715
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	3665A	432715
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	3665A	432715
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	3665A	432715
180-155056-1 MS	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3665A	432715
180-155056-1 MSD	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3665A	432715

Cleanup Batch: 432798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3660B	432797
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	3660B	432797
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	3660B	432797
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	3660B	432797
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	3660B	432797
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	3660B	432797
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	3660B	432797
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	3660B	432797
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	3660B	432797
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	3660B	432797
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	3660B	432797
180-155056-1 MS	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3660B	432797
180-155056-1 MSD	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3660B	432797

Analysis Batch: 433079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8082A	432798
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	EPA 8082A	432798
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	EPA 8082A	432798
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	EPA 8082A	432798
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	EPA 8082A	432798
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 8082A	432798
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	EPA 8082A	432798
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	EPA 8082A	432798
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	EPA 8082A	432798
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	EPA 8082A	432798
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	EPA 8082A	432798
MB 180-432715/1-A	Method Blank	Total/NA	Solid	EPA 8082A	432715
LCS 180-432715/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	432715
180-155056-1 MS	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8082A	432798
180-155056-1 MSD	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 8082A	432798

Metals

Prep Batch: 433470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 433470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	3050B	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	3050B	
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	3050B	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	3050B	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	3050B	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	3050B	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	3050B	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	3050B	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	3050B	
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	3050B	
MB 180-433470/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-433470/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 433818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	7471B	
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	7471B	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	7471B	
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	7471B	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	7471B	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	7471B	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	7471B	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	7471B	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	7471B	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	7471B	
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	7471B	
MB 180-433818/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-433818/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 434050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 7471B	433818
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	EPA 7471B	433818
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	EPA 7471B	433818
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	EPA 7471B	433818
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	EPA 7471B	433818
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 7471B	433818
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	EPA 7471B	433818
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	EPA 7471B	433818
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	EPA 7471B	433818
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	EPA 7471B	433818
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	EPA 7471B	433818
MB 180-433818/1-A	Method Blank	Total/NA	Solid	EPA 7471B	433818
LCS 180-433818/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	433818

Analysis Batch: 434338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 6010C	433470
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	EPA 6010C	433470
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	EPA 6010C	433470
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	EPA 6010C	433470

Metals (Continued)

Analysis Batch: 434338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	EPA 6010C	433470
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 6010C	433470
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	EPA 6010C	433470
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	EPA 6010C	433470
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	EPA 6010C	433470
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	EPA 6010C	433470
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	EPA 6010C	433470
MB 180-433470/1-A	Method Blank	Total/NA	Solid	EPA 6010C	433470
LCS 180-433470/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	433470

Analysis Batch: 434985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 6010C	433470

Prep Batch: 434990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	3050B	
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	3050B	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	3050B	
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	3050B	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	3050B	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	3050B	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	3050B	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	3050B	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	3050B	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	3050B	
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	3050B	
MB 180-434990/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-434990/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 435239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	EPA 6010C	434990
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	EPA 6010C	434990
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	EPA 6010C	434990
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	EPA 6010C	434990
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	EPA 6010C	434990
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	EPA 6010C	434990
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	EPA 6010C	434990
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	EPA 6010C	434990
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	EPA 6010C	434990
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	EPA 6010C	434990
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	EPA 6010C	434990
MB 180-434990/1-A	Method Blank	Total/NA	Solid	EPA 6010C	434990
LCS 180-434990/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	434990

General Chemistry

Analysis Batch: 432447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-1	SSHS-IRM5A2-HR-B23	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 432447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155056-2	SSHS-IRM5A2-HR-B24	Total/NA	Solid	2540G	
180-155056-3	SSHS-IRM5A2-HR-B25	Total/NA	Solid	2540G	
180-155056-4	SSHS-IRM5A2-HR-B26	Total/NA	Solid	2540G	
180-155056-5	SSHS-IRM5A2-HR-B27	Total/NA	Solid	2540G	
180-155056-6	SSHS-IRM5A2-HR-B28	Total/NA	Solid	2540G	
180-155056-7	SSHS-IRM5A2-HR-B29	Total/NA	Solid	2540G	
180-155056-8	SSHS-IRM5A2-HR-B30	Total/NA	Solid	2540G	
180-155056-9	SSHS-IRM5A2-HR-B31	Total/NA	Solid	2540G	
180-155056-10	SSHS-IRM5A2-HR-B32	Total/NA	Solid	2540G	
180-155056-11	SSHS-IRM5A2-DUP295	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-HR-B23	4/13/23	1500	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B24	4/13/23	1505	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B25	4/13/23	1510	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B26	4/13/23	1515	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B27	4/13/23	1520	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B28	4/13/23	1525	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B29	4/13/23	1530	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B30	4/13/23	1535	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-HR-B31	4/13/23	1540	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-HR-B32	4/13/23	1545	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-DUP295	4/13/23	-	G	S	N	N	X	X	X	X											6	

180-155056 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Zach Miller	4/13/23 16:30	Geosyntec		4/14/23 708	EDITME
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

5/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-155056 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B23	4/13/23	1500	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B24	4/13/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B25	4/13/23	1510	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B26	4/13/23	1515	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B27	4/13/23	1520	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B28	4/13/23	1525	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B29	4/13/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B30	4/13/23	1535	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-HR-B31	4/13/23	1540	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-HR-B32	4/13/23	1545	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP295	4/13/23	-	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Zach Miller	Date/Time: 4/13/23 16:30	Company: Geosyntec	Received by:	Date/Time: 4/14/23 1030	Company: GGTSA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1S6860CE | Cooler Temperature(s) °C and Other Remarks: 12C

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-155056 Field Sheet

Job: _____

Tracking # : 777883072403

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 108 Corr. Factor: (+ / -) - °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 18681606

Cooler ID: _____

Temp Observed: 1.2 °C Corrected: 1.2 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: LD Date: 4/14/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

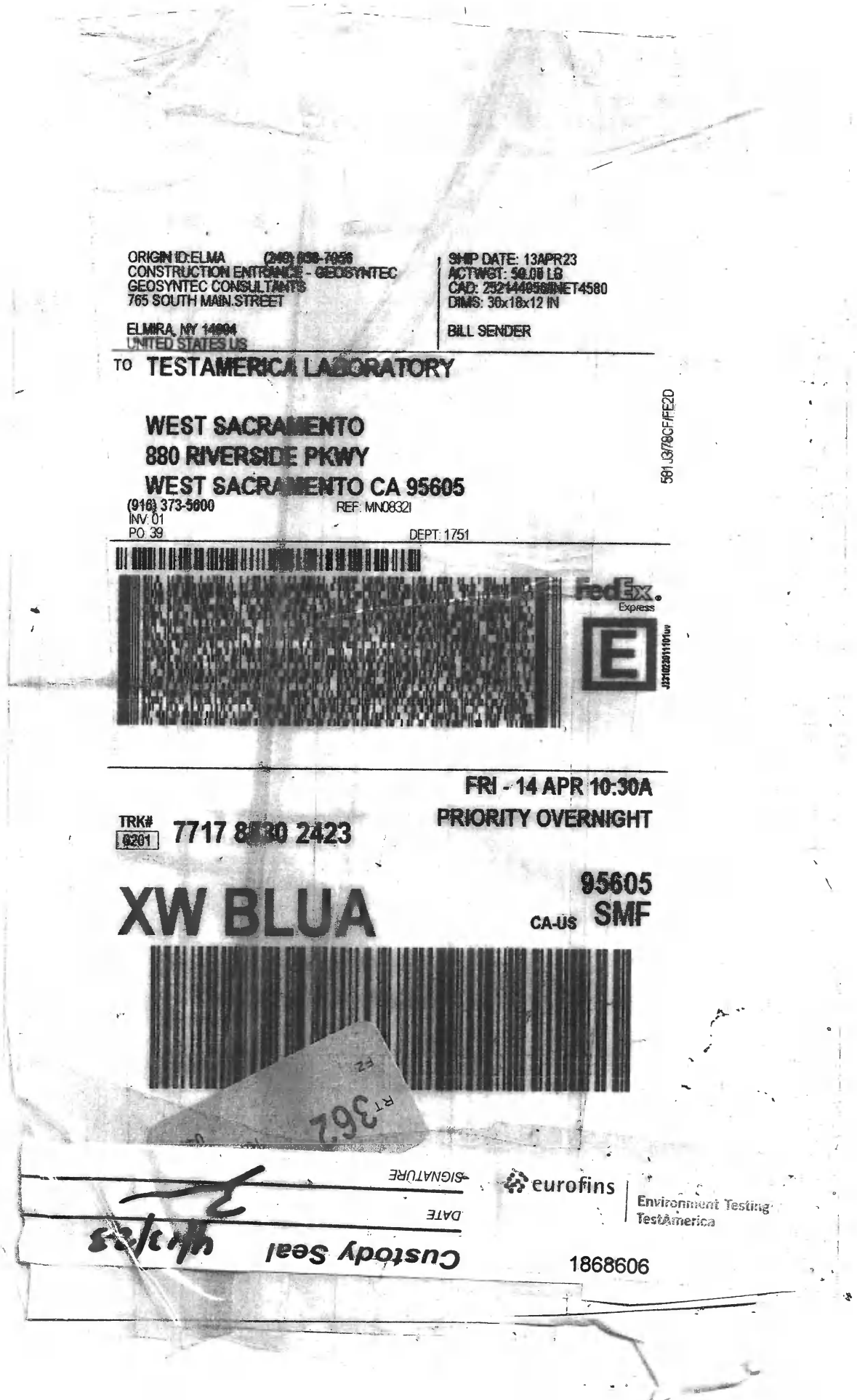
Initials: SO Date: 4/14/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 4-14-23


ORIGIN ID:ELMA (249) 688-7956
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
SHIP DATE: 13APR23
ACTWGT: 50.00 LB
CAD: 252144056/INET4580
DIMS: 36x18x12 IN
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV: 01
PO: 39
REF: MN08321
DEPT: 1751
581J3/78CF/FE2D
FedEx Express
FRI - 14 APR 10:30A
PRIORITY OVERNIGHT
TRK# 7717 8[illegible]30 2423
XW BLUA
95605
CA-US SMF
SIGNATURE
DATE
Custody Seal
eurofins
Environment Testing
TestAmerica
1868606

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-155056-1

Login Number: 155056
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 6/8/2023 10:14:33 AM

JOB DESCRIPTION

Sterling, Former Sperry Remington-Documentation

JOB NUMBER

180-157020-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentation

Job ID: 180-157020-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157020-2

Receipt
The samples were received on 5/24/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4º C and 2.2º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was below the established ratio limits for the following sample: ISMP-LP2-4 (180-157020-9). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23 *
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157020-2	ISMP-LP1-2	Solid	05/23/23 14:40	05/24/23 09:40
180-157020-6	ISMP-LP2-1	Solid	05/23/23 13:30	05/24/23 09:40
180-157020-9	ISMP-LP2-4	Solid	05/23/23 14:00	05/24/23 09:40

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	679352	05/31/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	679527	06/02/23 04:11	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	679352	05/31/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	679527	06/02/23 04:21	S1M	EET SAC
	Instrument ID: A15									

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9
Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.48 g	10.0 mL	679352	05/31/23 20:00	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	679527	06/02/23 04:31	S1M	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorooctanoic acid (PFOA)	**0.090**	**J**	0.22	0.057	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J**	0.22	0.047	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	05/31/23 20:00	06/02/23 04:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C5 PFPeA	*84*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C2 PFHxA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C4 PFHpA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C4 PFOA	*87*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C5 PFNA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C2 PFDA	*90*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C2 PFUnA	*83*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C2 PFDoA	*82*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C3 PFBS	*70*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
18O2 PFHxS	*77*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C4 PFOS	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
13C8 FOSA	*97*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
M2-6:2 FTS	*59*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*
M2-8:2 FTS	*82*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:11*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.081**	**J**	0.21	0.048	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluoropentanoic acid (PFPeA)	**0.061**	**J**	0.21	0.042	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorohexanoic acid (PFHxA)	**0.053**	**J**	0.21	0.032	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluoroheptanoic acid (PFHpA)	**0.040**	**J**	0.21	0.039	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorooctanoic acid (PFOA)	**0.19**	**J**	0.21	0.055	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorooctanesulfonic acid (PFOS)	**0.051**	**J**	0.21	0.044	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	05/31/23 20:00	06/02/23 04:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C5 PFPeA	*78*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C2 PFHxA	*73*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C4 PFHpA	*83*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C4 PFOA	*80*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C5 PFNA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C2 PFDA	*80*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C2 PFUnA	*76*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C2 PFDoA	*72*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C3 PFBS	*61*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
18O2 PFHxS	*70*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C4 PFOS	*68*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
13C8 FOSA	*87*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
d3-NMeFOSAA	*67*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
M2-6:2 FTS	*47*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*
M2-8:2 FTS	*64*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:21*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9
Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.039	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorohexanoic acid (PFHxA)	**0.031**	**J**	0.19	0.030	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorononanoic acid (PFNA)	**0.036**	**J**	0.19	0.021	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.040	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorooctanesulfonic acid (PFOS)	**0.043**	**J I**	0.19	0.041	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	05/31/23 20:00	06/02/23 04:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C5 PFPeA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C2 PFHxA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C4 PFHpA	*88*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C4 PFOA	*86*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C5 PFNA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C2 PFDA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C2 PFUnA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C2 PFDoA	*79*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C3 PFBS	*69*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
18O2 PFHxS	*76*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C4 PFOS	*75*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
13C8 FOSA	*96*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
M2-6:2 FTS	*53*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*
M2-8:2 FTS	*73*		*25 - 150*	*05/31/23 20:00*	*06/02/23 04:31*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-679352/1-A
Matrix: Solid
Analysis Batch: 679527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679352

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
6:2 FTS	ND		0.20	0.027	ug/Kg		05/31/23 20:00	06/02/23 03:20	1
8:2 FTS	ND		0.20	0.035	ug/Kg		05/31/23 20:00	06/02/23 03:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C5 PFPeA	*89*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFHxA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C4 PFHpA	*94*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C4 PFOA	*88*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C5 PFNA	*91*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFDA	*93*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFUnA	*86*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFDoA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C3 PFBS	*87*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
18O2 PFHxS	*92*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C4 PFOS	*90*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
13C8 FOSA	*100*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*05/31/23 20:00*	*06/02/23 03:20*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-679352/2-A
Matrix: Solid
Analysis Batch: 679527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679352

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.90		ug/Kg		95	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.09		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.05		ug/Kg		102	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.06		ug/Kg		103	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.12		ug/Kg		106	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.21		ug/Kg		110	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.12		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.26		ug/Kg		113	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.91		ug/Kg		95	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.14		ug/Kg		107	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.87		ug/Kg		105	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.82		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.99		ug/Kg		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.78		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.96		ug/Kg		101	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.03		ug/Kg		102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.29		ug/Kg		115	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.41		ug/Kg		120	72 - 132
6:2 FTS	1.90	1.96		ug/Kg		103	73 - 139
8:2 FTS	1.92	1.99		ug/Kg		104	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*90*		*25 - 150*
13C5 PFPeA	*85*		*25 - 150*
13C2 PFHxA	*82*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*89*		*25 - 150*
13C2 PFDA	*84*		*25 - 150*
13C2 PFUnA	*81*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*
13C2 PFTeDA	*85*		*25 - 150*
13C3 PFBS	*85*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*92*		*25 - 150*
d3-NMeFOSAA	*76*		*25 - 150*
d5-NEtFOSAA	*87*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-679352/2-A
Matrix: Solid
Analysis Batch: 679527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679352

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	66		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-2
Project/Site: Sterling, Former Sperry Remington-Documentatio

LCMS

Prep Batch: 679352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-2	ISMP-LP1-2	Total/NA	Solid	SHAKE	
180-157020-6	ISMP-LP2-1	Total/NA	Solid	SHAKE	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	SHAKE	
MB 320-679352/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-679352/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 679527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-2	ISMP-LP1-2	Total/NA	Solid	537 (modified)	679352
180-157020-6	ISMP-LP2-1	Total/NA	Solid	537 (modified)	679352
180-157020-9	ISMP-LP2-4	Total/NA	Solid	537 (modified)	679352
MB 320-679352/1-A	Method Blank	Total/NA	Solid	537 (modified)	679352
LCS 320-679352/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	679352

Pittsburgh

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins Environment Testing TestAmerica

6/8/2023

Client Information	Sampler: Amanda Castignetti	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): Standard - 10-day		A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:
State, Zip: MD, 21044	PO #: MN08321		
Phone: 40-381-4333	WO #:		
Email: akrasnopoler@geosyntec.com	Project #: 18013464		
Project Name: Former Sperry Remington Site	SSOW#:		
Site:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
ISMP-LP1-1	5/23/23	14:30	G	S	N	N	X	X	X	X			6	
ISMP-LP1-2	5/23/23	14:40	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP1-3	5/23/23	14:50	G	S	N	N	X	X	X	X			6	
ISMP-LP1-4	5/23/23	15:00	G	S	N	Y	X	X	X	X			6	MS/MSD, Total Jars: 18
ISMP-LP1-5	5/23/23	15:20	G	S	N	N	X	X	X	X			6	
ISMP-LP2-1	5/23/23	13:30	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-2	5/23/23	13.40	G	S	N	N	X	X	X	X			6	
ISMP-LP2-3	5/23/23	13.50	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-4	5/23/23	14.00	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-5	5/23/23	14:10	G	S	N	N	X	X	X	X			6	
ISMP-LP-DUP	5/23/23	—	G	S	N	N	X	X	X	X			6	

180-157020 Chain of Custody

Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5/23/23, 1700	STERLING		5-24-23 0944	FHNF
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Sacramento

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Amanda Castignetti	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard - 10-day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

180-157020 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
ISMP-LP1-1	5/23/23	14:30	G	S	N	N	X	X	X	X			6	
ISMP-LP1-2	5/23/23	14:40	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP1-3	5/23/23	14:50	G	S	N	N	X	X	X	X			6	
ISMP-LP1-4	5/23/23	15:00	G	S	N	Y	X	X	X	X			6	MS/MSD; Total Jars: 18
ISMP-LP1-5	5/23/23	15:20	G	S	N	N	X	X	X	X			6	
ISMP-LP2-1	5/23/23	13:30	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-2	5/23/23	13:40	G	S	N	N	X	X	X	X			6	
ISMP-LP2-3	5/23/23	13:50	G	S	N	N	X	X	X	X			6	
ISMP-LP2-4	5/23/23	14:00	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-5	5/23/23	14:10	G	S	N	N	X	X	X	X			6	
ISMP-LP-DUP	5/23/23	—	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
1		5/23/23, 1700	STERLING		5/24/23 0925	EETSL
2	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
3	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 2133977

Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-157020 Field Sheet

Job: _____

Tracking # : 7722 0133 1096

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C03 Corr. Factor: (+ / -) N/A °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 2133977

Cooler ID: _____

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 5/24/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 5/24/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: D Date: 5/24/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157020-2

Login Number: 157020
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157020-2

Login Number: 157020
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2133977
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 6/15/2023 5:08:51 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-157787-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-157787-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157787-2

Receipt
The samples were received on 6/10/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.8º C and 4.1º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	06-17-23
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-23 *
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157787-1	SSHS-IRM5A2-MSA-B22A	Solid	06/09/23 17:00	06/10/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157787-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1

Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	682579	06/12/23 18:53	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	682814	06/14/23 08:43	C1P	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1

Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorotridecanoic acid (PFTriA)	**0.035**	**J**	0.21	0.022	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorotetradecanoic acid (PFTeA)	**0.043**	**J**	0.21	0.039	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.050**	**J**	0.21	0.024	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.058**	**J**	0.21	0.051	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	06/12/23 18:53	06/14/23 08:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C5 PFPeA	*79*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C2 PFHxA	*84*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C4 PFHpA	*84*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C4 PFOA	*80*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C5 PFNA	*86*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C2 PFDA	*88*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C2 PFUnA	*83*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C2 PFDoA	*84*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C3 PFBS	*59*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
18O2 PFHxS	*66*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C4 PFOS	*74*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
13C8 FOSA	*86*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
M2-6:2 FTS	*61*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*06/12/23 18:53*	*06/14/23 08:43*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-682579/1-A
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 682579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
6:2 FTS	ND		0.20	0.027	ug/Kg		06/12/23 18:53	06/14/23 06:51	1
8:2 FTS	ND		0.20	0.035	ug/Kg		06/12/23 18:53	06/14/23 06:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C5 PFPeA	*80*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C2 PFHxA	*81*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C4 PFHpA	*84*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C4 PFOA	*80*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C5 PFNA	*85*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C2 PFDA	*91*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C2 PFUnA	*88*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C2 PFDoA	*81*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C3 PFBS	*76*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
18O2 PFHxS	*84*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C4 PFOS	*89*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
13C8 FOSA	*91*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
d5-NEtFOSAA	*90*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*06/12/23 18:53*	*06/14/23 06:51*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-682579/2-A
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.07		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.36		ug/Kg		118	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.25		ug/Kg		113	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.45		ug/Kg		122	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.37		ug/Kg		119	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.28		ug/Kg		114	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.25		ug/Kg		112	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.43		ug/Kg		121	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.35		ug/Kg		118	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.30		ug/Kg		115	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.18		ug/Kg		109	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.19		ug/Kg		123	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.08		ug/Kg		114	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.04		ug/Kg		107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.00		ug/Kg		108	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.16		ug/Kg		112	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.24		ug/Kg		112	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.33		ug/Kg		117	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.25		ug/Kg		113	72 - 132
6:2 FTS	1.90	2.11		ug/Kg		111	73 - 139
8:2 FTS	1.92	2.22		ug/Kg		116	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*86*		*25 - 150*
13C5 PFPeA	*81*		*25 - 150*
13C2 PFHxA	*85*		*25 - 150*
13C4 PFHpA	*85*		*25 - 150*
13C4 PFOA	*84*		*25 - 150*
13C5 PFNA	*86*		*25 - 150*
13C2 PFDA	*91*		*25 - 150*
13C2 PFUnA	*87*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*92*		*25 - 150*
13C3 PFBS	*80*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*92*		*25 - 150*
13C8 FOSA	*94*		*25 - 150*
d3-NMeFOSAA	*89*		*25 - 150*
d5-NEtFOSAA	*93*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-682579/2-A
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682579

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*78*		*25 - 150*
M2-8:2 FTS	*108*		*25 - 150*

Lab Sample ID: 180-157787-1 MS
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 682579

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.15	2.16		ug/Kg	☼	101	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.15	2.36		ug/Kg	☼	110	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.15	2.38		ug/Kg	☼	111	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.15	2.46		ug/Kg	☼	115	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.15	2.31		ug/Kg	☼	108	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.15	2.37		ug/Kg	☼	111	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.15	2.25		ug/Kg	☼	105	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.15	2.29		ug/Kg	☼	107	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.15	2.48		ug/Kg	☼	116	71 - 131
Perfluorotridecanoic acid (PFTriA)	0.035	J	2.15	2.39		ug/Kg	☼	110	71 - 131
Perfluorotetradecanoic acid (PFTeA)	0.043	J	2.15	2.30		ug/Kg	☼	105	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.90	2.14		ug/Kg	☼	112	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.96	2.06		ug/Kg	☼	105	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.05	2.26		ug/Kg	☼	111	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.99	2.11		ug/Kg	☼	106	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.07	2.28		ug/Kg	☼	110	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.15	2.35		ug/Kg	☼	109	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.050	J	2.15	2.41		ug/Kg	☼	110	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.058	J	2.15	2.40		ug/Kg	☼	109	72 - 132
6:2 FTS	ND		2.04	2.10		ug/Kg	☼	103	73 - 139
8:2 FTS	ND		2.06	2.43		ug/Kg	☼	118	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*87*		*25 - 150*
13C5 PFPeA	*85*		*25 - 150*
13C2 PFHxA	*85*		*25 - 150*
13C4 PFHpA	*90*		*25 - 150*
13C4 PFOA	*91*		*25 - 150*
13C5 PFNA	*87*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*90*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-157787-1 MS
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 682579

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	65		25 - 150
18O2 PFHxS	75		25 - 150
13C4 PFOS	76		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	83		25 - 150
d5-NEtFOSAA	85		25 - 150
M2-6:2 FTS	67		25 - 150
M2-8:2 FTS	84		25 - 150

Lab Sample ID: 180-157787-1 MSD
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 682579

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.06	2.09		ug/Kg	☼	102	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)	ND		2.06	2.26		ug/Kg	☼	110	69 - 129	4	30
Perfluorohexanoic acid (PFHxA)	ND		2.06	2.30		ug/Kg	☼	112	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.06	2.34		ug/Kg	☼	114	71 - 131	5	30
Perfluorooctanoic acid (PFOA)	ND		2.06	2.30		ug/Kg	☼	112	72 - 132	0	30
Perfluorononanoic acid (PFNA)	ND		2.06	2.20		ug/Kg	☼	107	73 - 133	8	30
Perfluorodecanoic acid (PFDA)	ND		2.06	2.19		ug/Kg	☼	107	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)	ND		2.06	2.29		ug/Kg	☼	111	66 - 126	0	30
Perfluorododecanoic acid (PFDoA)	ND		2.06	2.35		ug/Kg	☼	114	71 - 131	6	30
Perfluorotridecanoic acid (PFTriA)	0.035	J	2.06	2.21		ug/Kg	☼	106	71 - 131	8	30
Perfluorotetradecanoic acid (PFTeA)	0.043	J	2.06	2.13		ug/Kg	☼	102	67 - 127	8	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.83	2.05		ug/Kg	☼	112	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.87	2.04		ug/Kg	☼	109	62 - 122	1	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.96	2.00		ug/Kg	☼	102	76 - 136	13	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.91	1.94		ug/Kg	☼	101	68 - 141	9	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.98	2.19		ug/Kg	☼	111	71 - 131	4	30
Perfluorooctanesulfonamide (FOSA)	ND		2.06	2.14		ug/Kg	☼	104	77 - 137	9	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.050	J	2.06	2.30		ug/Kg	☼	109	72 - 132	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.058	J	2.06	2.26		ug/Kg	☼	107	72 - 132	6	30
6:2 FTS	ND		1.96	1.96		ug/Kg	☼	100	73 - 139	7	30
8:2 FTS	ND		1.97	2.23		ug/Kg	☼	113	75 - 135	9	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	85		25 - 150
13C5 PFPeA	87		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-157787-1 MSD
Matrix: Solid
Analysis Batch: 682814

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 682579

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	84		25 - 150
13C4 PFHpA	91		25 - 150
13C4 PFOA	89		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	90		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDoA	90		25 - 150
13C2 PFTeDA	86		25 - 150
13C3 PFBS	64		25 - 150
18O2 PFHxS	72		25 - 150
13C4 PFOS	76		25 - 150
13C8 FOSA	92		25 - 150
d3-NMeFOSAA	84		25 - 150
d5-NEtFOSAA	85		25 - 150
M2-6:2 FTS	66		25 - 150
M2-8:2 FTS	84		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 682579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	SHAKE	
MB 320-682579/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-682579/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	SHAKE	
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	SHAKE	

Analysis Batch: 682814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	537 (modified)	682579
MB 320-682579/1-A	Method Blank	Total/NA	Solid	537 (modified)	682579
LCS 320-682579/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	682579
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	537 (modified)	682579
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	537 (modified)	682579

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 1-Day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

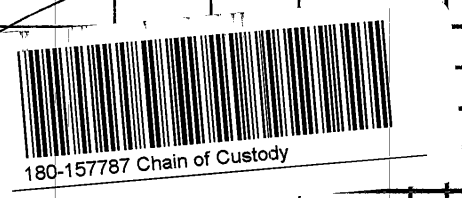
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-MSA-B22A	6/9/23	1700	G	S	N	N	X	X	X	X	X	X									8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 6/9/23 17:30	Company: Geosyntec	Received by:	Date/Time: 6-10-23 0930	Company: EPI Test
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B22A	6/9/23	1700	G	S	N	N	X	X	X	X	X	X	8	

180-157787 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Zach Miller	6/9/23 17:30	Geosyntec		6.10.23 915	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 4, 1c

Ver: 01/16/2019

6/15/2023

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Sacramento Sample Receiving Notes

180-157787 Field Sheet

Job: _____

Tracking # : 773346877365

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: IR04 Corr. Factor: (+ / -) -1 °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 4.1 °C Corrected: 4.1 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JB Date: 6.10.23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 6.10.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: JB Date: 6.10.23



SHIP DATE: 09JUN23
ACTWGT: 50.00 LB
CAD: 252144[illegible]/INET4910
DIMS: 30x18x12 IN

BILL SENDER

TO TESTAMERICA LABORATORY

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-6600 REF: MN6932L
INV: 02
PO: 01 DEPT: 1751

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7723 4687 7365

95605
CA-US SMF

X0 BLUA

Quality Environmental Containers
800-266-3980 • www.qecusa.com

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157787-2

Login Number: 157787
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157787-2

Login Number: 157787
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 6/16/2023 5:02:32 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-157787-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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6/16/2023 5:02:32 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-157787-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157787-1

Receipt
The samples were received on 6/10/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.8º C and 4.1º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-437636 was below criteria for the following analytes: Bromoform, 1,2-Dibromo-3-Chloropropane, and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-437636 was above criteria for the following analytes: Trichlorofluoromethane and Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-437895 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B22A (180-157787-1) had several recoveries and the RPD between the spikes for antimony outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157787-1	SSHS-IRM5A2-MSA-B22A	Solid	06/09/23 17:00	06/10/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1
Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			437705	06/12/23 15:49	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1
Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4651 g	5 mL	437679	06/12/23 07:42	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	437636	06/12/23 13:44	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	437835	06/13/23 16:44	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	437895	06/14/23 17:27	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	437834	06/13/23 16:30	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	437856	06/14/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	437858	06/14/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	437865	06/14/23 22:43	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	437727	06/13/23 06:41	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			438036	06/14/23 19:14	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.71 g	50 mL	437727	06/13/23 06:41	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			438166	06/15/23 16:23	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	437620	06/12/23 07:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437690	06/12/23 12:28	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JSM = Joseph Moore
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello

Batch Type: Analysis
- AAS = Arianna Swick
- ELS = Edwin Shireman
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1
Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Benzene	ND		4.9	1.4	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Bromomethane	ND		4.9	2.3	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Carbon disulfide	ND		4.9	4.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Chlorodibromomethane	ND		4.9	2.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Chloromethane	ND		4.9	2.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2-Dibromoethane	ND		4.9	1.4	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,4-Dioxane	ND		990	75	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Methylene Chloride	ND		4.9	4.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Methyl tert-butyl ether	ND		4.9	1.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Styrene	ND		4.9	1.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Toluene	ND		4.9	1.4	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2,3-Trichlorobenzene	ND		9.9	2.7	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,1,1-Trichloroethane	ND		4.9	1.7	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1
Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.6	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Vinyl chloride	ND		4.9	3.6	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	06/12/23 07:42	06/12/23 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*06/12/23 07:42*	*06/12/23 13:44*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*06/12/23 07:42*	*06/12/23 13:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*06/12/23 07:42*	*06/12/23 13:44*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*06/12/23 07:42*	*06/12/23 13:44*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Acenaphthylene	ND		71	15	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Acetophenone	ND		710	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Anthracene	ND		71	18	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Atrazine	ND		710	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Benzaldehyde	ND		710	44	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Carbazole	ND		71	17	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Chrysene	ND		71	39	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1
Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Fluoranthene	ND		71	19	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Fluorene	ND		71	14	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Hexachloroethane	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Isophorone	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Naphthalene	ND		71	14	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Nitrobenzene	ND		710	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Phenanthrene	ND		71	19	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Phenol	ND		350	110	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
Pyrene	ND		71	17	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*06/13/23 16:44*	*06/14/23 17:27*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*06/13/23 16:44*	*06/14/23 17:27*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*06/13/23 16:44*	*06/14/23 17:27*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*06/13/23 16:44*	*06/14/23 17:27*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*06/13/23 16:44*	*06/14/23 17:27*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*06/13/23 16:44*	*06/14/23 17:27*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1221	ND		18	6.2	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1232	ND		18	4.3	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1242	ND		18	2.6	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1248	ND		18	4.2	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1254	ND		18	5.3	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1260	ND		18	5.0	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Lab Sample ID: 180-157787-1

Date Collected: 06/09/23 17:00
Matrix: Solid
Date Received: 06/10/23 09:30
Percent Solids: 92.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.2	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1
PCB-1268	ND		18	2.4	ug/Kg	☼	06/13/23 16:30	06/14/23 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*06/13/23 16:30*	*06/14/23 22:43*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*06/13/23 16:30*	*06/14/23 22:43*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*06/13/23 16:30*	*06/14/23 22:43*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*06/13/23 16:30*	*06/14/23 22:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		15	3.8	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Antimony	ND	F1 F2	0.76	0.23	mg/Kg	☼	06/13/23 06:41	06/15/23 16:23	1
Arsenic	**9.2**		0.76	0.48	mg/Kg	☼	06/13/23 06:41	06/15/23 16:23	1
Barium	**170**	**F1**	15	2.7	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Beryllium	**0.45**		0.30	0.083	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Cadmium	**0.75**		0.38	0.056	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Calcium	**5800**	**F1**	380	49	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Chromium	**14**		0.38	0.35	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Cobalt	**12**		3.8	0.54	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Copper	**27**		1.9	1.1	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Iron	**25000**		7.6	7.4	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Lead	**12**		0.76	0.66	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Magnesium	**3300**		380	42	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Manganese	**820**		1.1	0.21	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Nickel	**27**		3.0	0.38	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Potassium	**710**		380	65	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Selenium	ND		0.76	0.35	mg/Kg	☼	06/13/23 06:41	06/15/23 16:23	1
Silver	ND		0.38	0.079	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Sodium	**75**	**J**	380	39	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Thallium	ND		1.5	0.22	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Vanadium	**16**		3.8	0.60	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1
Zinc	**62**	**F1**	1.5	1.1	mg/Kg	☼	06/13/23 06:41	06/14/23 19:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	06/12/23 07:15	06/12/23 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.5**		0.1	0.1	%			06/12/23 15:49	1
Percent Solids (SM22 2540G)	**92.5**		0.1	0.1	%			06/12/23 15:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-157787-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-437636/8
Matrix: Solid
Analysis Batch: 437636

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			06/12/23 12:36	1
Benzene	ND		5.0	1.4	ug/Kg			06/12/23 12:36	1
Bromoform	ND		5.0	2.5	ug/Kg			06/12/23 12:36	1
Bromomethane	ND		5.0	2.3	ug/Kg			06/12/23 12:36	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			06/12/23 12:36	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			06/12/23 12:36	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			06/12/23 12:36	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			06/12/23 12:36	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			06/12/23 12:36	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			06/12/23 12:36	1
Chloroethane	ND		5.0	2.9	ug/Kg			06/12/23 12:36	1
Chloroform	ND		5.0	3.4	ug/Kg			06/12/23 12:36	1
Chloromethane	ND		5.0	2.0	ug/Kg			06/12/23 12:36	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			06/12/23 12:36	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			06/12/23 12:36	1
Cyclohexane	ND		5.0	2.4	ug/Kg			06/12/23 12:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			06/12/23 12:36	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			06/12/23 12:36	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			06/12/23 12:36	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			06/12/23 12:36	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			06/12/23 12:36	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			06/12/23 12:36	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			06/12/23 12:36	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			06/12/23 12:36	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			06/12/23 12:36	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			06/12/23 12:36	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			06/12/23 12:36	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			06/12/23 12:36	1
1,4-Dioxane	ND		1000	76	ug/Kg			06/12/23 12:36	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			06/12/23 12:36	1
2-Hexanone	ND		25	1.6	ug/Kg			06/12/23 12:36	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			06/12/23 12:36	1
Methyl acetate	ND		25	7.4	ug/Kg			06/12/23 12:36	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			06/12/23 12:36	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			06/12/23 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			06/12/23 12:36	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			06/12/23 12:36	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			06/12/23 12:36	1
o-Xylene	ND		5.0	2.0	ug/Kg			06/12/23 12:36	1
Styrene	ND		5.0	1.5	ug/Kg			06/12/23 12:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			06/12/23 12:36	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			06/12/23 12:36	1
Toluene	ND		5.0	1.4	ug/Kg			06/12/23 12:36	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			06/12/23 12:36	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			06/12/23 12:36	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			06/12/23 12:36	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			06/12/23 12:36	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			06/12/23 12:36	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-437636/8
Matrix: Solid
Analysis Batch: 437636

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			06/12/23 12:36	1
Trichloroethene	ND		5.0	1.6	ug/Kg			06/12/23 12:36	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			06/12/23 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			06/12/23 12:36	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			06/12/23 12:36	1
Xylenes, Total	ND		10	7.2	ug/Kg			06/12/23 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*		*06/12/23 12:36*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*06/12/23 12:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*		*06/12/23 12:36*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*06/12/23 12:36*	*1*

Lab Sample ID: LCS 180-437636/4
Matrix: Solid
Analysis Batch: 437636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	44.7		ug/Kg		112	23 - 170
Benzene	40.0	39.5		ug/Kg		99	77 - 120
Bromoform	40.0	27.8		ug/Kg		69	37 - 147
Bromomethane	40.0	29.9		ug/Kg		75	47 - 149
2-Butanone (MEK)	40.0	32.9		ug/Kg		82	39 - 157
Carbon disulfide	40.0	38.2		ug/Kg		95	40 - 156
Carbon tetrachloride	40.0	36.2		ug/Kg		91	73 - 130
Chlorobenzene	40.0	36.9		ug/Kg		92	79 - 122
Chlorobromomethane	40.0	35.9		ug/Kg		90	64 - 128
Chlorodibromomethane	40.0	31.1		ug/Kg		78	60 - 134
Chloroethane	40.0	27.7		ug/Kg		69	37 - 159
Chloroform	40.0	39.2		ug/Kg		98	73 - 126
Chloromethane	40.0	44.5		ug/Kg		111	46 - 151
cis-1,2-Dichloroethene	40.0	39.4		ug/Kg		98	77 - 118
cis-1,3-Dichloropropene	40.0	35.8		ug/Kg		90	73 - 127
Cyclohexane	40.0	38.0		ug/Kg		95	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.4		ug/Kg		63	30 - 163
1,2-Dibromoethane	40.0	33.6		ug/Kg		84	59 - 137
1,2-Dichlorobenzene	40.0	36.4		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.1		ug/Kg		93	79 - 120
Dichlorobromomethane	40.0	36.7		ug/Kg		92	75 - 123
Dichlorodifluoromethane	40.0	38.7		ug/Kg		97	26 - 149
1,1-Dichloroethane	40.0	38.4		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	35.1		ug/Kg		88	64 - 140
1,1-Dichloroethene	40.0	40.3		ug/Kg		101	55 - 136
1,2-Dichloroethene, Total	80.0	79.0		ug/Kg		99	77 - 119
1,2-Dichloropropane	40.0	37.9		ug/Kg		95	77 - 119
1,4-Dioxane	800	776	J	ug/Kg		97	18 - 166
Ethylbenzene	40.0	37.6		ug/Kg		94	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-437636/4
Matrix: Solid
Analysis Batch: 437636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	33.5		ug/Kg		84	42 - 152
Isopropylbenzene	40.0	38.6		ug/Kg		97	70 - 125
Methyl acetate	80.0	75.7		ug/Kg		95	20 - 170
Methylcyclohexane	40.0	38.0		ug/Kg		95	70 - 125
Methylene Chloride	40.0	41.8		ug/Kg		104	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	29.6		ug/Kg		74	51 - 147
Methyl tert-butyl ether	40.0	32.9		ug/Kg		82	58 - 132
m-Xylene & p-Xylene	40.0	37.9		ug/Kg		95	77 - 120
o-Xylene	40.0	37.1		ug/Kg		93	78 - 118
Styrene	40.0	36.2		ug/Kg		90	80 - 120
1,1,2,2-Tetrachloroethane	40.0	31.7		ug/Kg		79	36 - 170
Tetrachloroethene	40.0	37.6		ug/Kg		94	71 - 121
Toluene	40.0	37.8		ug/Kg		95	76 - 120
trans-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	75 - 122
trans-1,3-Dichloropropene	40.0	33.8		ug/Kg		85	68 - 133
1,2,3-Trichlorobenzene	40.0	35.1		ug/Kg		88	29 - 166
1,2,4-Trichlorobenzene	40.0	36.0		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	38.5		ug/Kg		96	72 - 134
1,1,2-Trichloroethane	40.0	33.8		ug/Kg		85	66 - 128
Trichloroethene	40.0	38.2		ug/Kg		95	69 - 118
Trichlorofluoromethane	40.0	56.9		ug/Kg		142	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.5		ug/Kg		94	59 - 135
Vinyl chloride	40.0	43.5		ug/Kg		109	64 - 134
Xylenes, Total	80.0	75.0		ug/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*
Toluene-d8 (Surr)	*94*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-437835/1-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Acenaphthylene	ND		67	15	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Acetophenone	ND		670	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Anthracene	ND		67	17	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Atrazine	ND		670	150	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzaldehyde	ND		670	41	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[a]anthracene	ND		67	30	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[a]pyrene	ND		67	29	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		06/13/23 16:44	06/14/23 08:54	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-437835/1-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		67	20	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
1,1'-Biphenyl	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Caprolactam	ND		1700	220	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Carbazole	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Chloroaniline	ND		330	88	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Chloronaphthalene	ND		67	15	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Chlorophenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Chrysene	ND		67	37	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Dibenzofuran	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Diethyl phthalate	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Dimethyl phthalate	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
1,4-Dioxane	ND		670	100	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Fluoranthene	ND		67	18	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Fluorene	ND		67	13	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachlorobenzene	ND		67	24	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachlorobutadiene	ND		67	20	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachloroethane	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Isophorone	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Methylnaphthalene	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Methylphenol	ND		330	96	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Naphthalene	ND		67	13	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Nitroaniline	ND		1700	150	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
3-Nitroaniline	ND		1700	85	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Nitroaniline	ND		1700	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Nitrobenzene	ND		670	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Nitrophenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Nitrophenol	ND		1700	230	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-437835/1-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Pentachlorophenol	ND		1700	540	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Phenanthrene	ND		67	18	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Phenol	ND		330	100	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Pyrene	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*	*06/13/23 16:44*	*06/14/23 08:54*	*1*

Lab Sample ID: LCS 180-437835/2-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4750		ug/Kg		71	50 - 100
Acenaphthylene	6670	5200		ug/Kg		78	52 - 100
Acetophenone	6670	5120		ug/Kg		77	48 - 100
Anthracene	6670	4880		ug/Kg		73	53 - 100
Atrazine	6670	5430		ug/Kg		81	49 - 103
Benzaldehyde	6670	2060		ug/Kg		31	23 - 105
Benzo[a]anthracene	6670	5380		ug/Kg		81	51 - 100
Benzo[a]pyrene	6670	5310		ug/Kg		80	51 - 100
Benzo[b]fluoranthene	6670	5240		ug/Kg		79	48 - 100
Benzo[g,h,i]perylene	6670	4580		ug/Kg		69	48 - 105
Benzo[k]fluoranthene	6670	4610		ug/Kg		69	19 - 100
1,1'-Biphenyl	6670	4850		ug/Kg		73	50 - 100
Bis(2-chloroethoxy)methane	6670	4930		ug/Kg		74	49 - 100
Bis(2-chloroethyl)ether	6670	4950		ug/Kg		74	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6170		ug/Kg		93	53 - 107
4-Bromophenyl phenyl ether	6670	5610		ug/Kg		84	52 - 101
Butyl benzyl phthalate	6670	5870		ug/Kg		88	52 - 107
Caprolactam	6670	4880		ug/Kg		73	48 - 111
Carbazole	6670	4720		ug/Kg		71	53 - 100
4-Chloroaniline	6670	5100		ug/Kg		77	47 - 100
4-Chloro-3-methylphenol	6670	5300		ug/Kg		80	49 - 106
2-Chloronaphthalene	6670	4840		ug/Kg		73	51 - 100
2-Chlorophenol	6670	5090		ug/Kg		76	51 - 100
4-Chlorophenyl phenyl ether	6670	5070		ug/Kg		76	52 - 100
Chrysene	6670	4490		ug/Kg		67	50 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-437835/2-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	6670	5240		ug/Kg		79	50 - 107
Dibenzofuran	6670	5000		ug/Kg		75	52 - 100
3,3'-Dichlorobenzidine	6670	5330		ug/Kg		80	43 - 100
2,4-Dichlorophenol	6670	5270		ug/Kg		79	53 - 101
Diethyl phthalate	6670	5140		ug/Kg		77	48 - 104
2,4-Dimethylphenol	6670	3840		ug/Kg		58	51 - 101
Dimethyl phthalate	6670	5030		ug/Kg		75	53 - 100
Di-n-butyl phthalate	6670	5370		ug/Kg		81	57 - 102
4,6-Dinitro-2-methylphenol	13300	9140		ug/Kg		69	51 - 100
2,4-Dinitrophenol	13300	7620		ug/Kg		57	33 - 101
2,4-Dinitrotoluene	6670	5190		ug/Kg		78	54 - 104
2,6-Dinitrotoluene	6670	5110		ug/Kg		77	51 - 106
Di-n-octyl phthalate	6670	6520		ug/Kg		98	41 - 106
1,4-Dioxane	6670	4730		ug/Kg		71	25 - 125
Fluoranthene	6670	4930		ug/Kg		74	55 - 100
Fluorene	6670	4800		ug/Kg		72	52 - 100
Hexachlorobenzene	6670	5550		ug/Kg		83	49 - 100
Hexachlorobutadiene	6670	5460		ug/Kg		82	38 - 107
Hexachlorocyclopentadiene	6670	4010		ug/Kg		60	33 - 117
Hexachloroethane	6670	5060		ug/Kg		76	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4980		ug/Kg		75	51 - 103
Isophorone	6670	5240		ug/Kg		79	48 - 105
2-Methylnaphthalene	6670	5260		ug/Kg		79	53 - 100
2-Methylphenol	6670	4660		ug/Kg		70	50 - 101
Methylphenol, 3 & 4	6670	4760		ug/Kg		71	50 - 103
Naphthalene	6670	5050		ug/Kg		76	51 - 100
2-Nitroaniline	6670	5160		ug/Kg		77	42 - 123
3-Nitroaniline	6670	5150		ug/Kg		77	50 - 103
4-Nitroaniline	6670	4930		ug/Kg		74	52 - 103
Nitrobenzene	6670	5120		ug/Kg		77	44 - 108
2-Nitrophenol	6670	5630		ug/Kg		84	55 - 107
4-Nitrophenol	13300	10400		ug/Kg		78	30 - 134
N-Nitrosodi-n-propylamine	6670	5160		ug/Kg		77	45 - 107
N-Nitrosodiphenylamine	6670	5190		ug/Kg		78	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4970		ug/Kg		75	30 - 113
Pentachlorophenol	13300	12000		ug/Kg		90	42 - 110
Phenanthrene	6670	4920		ug/Kg		74	53 - 100
Phenol	6670	4730		ug/Kg		71	49 - 100
Pyrene	6670	5360		ug/Kg		80	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5040		ug/Kg		76	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5170		ug/Kg		78	47 - 104
2,4,5-Trichlorophenol	6670	5190		ug/Kg		78	50 - 104
2,4,6-Trichlorophenol	6670	5330		ug/Kg		80	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-437835/2-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437835

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*75*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*

Lab Sample ID: LCSD 180-437835/3-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437835

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	5050		ug/Kg		76	50 - 100	6	20
Acenaphthylene			6670	5600		ug/Kg		84	52 - 100	8	20
Acetophenone			6670	5070		ug/Kg		76	48 - 100	1	17
Anthracene			6670	5250		ug/Kg		79	53 - 100	7	20
Atrazine			6670	5730		ug/Kg		86	49 - 103	5	19
Benzaldehyde			6670	2150		ug/Kg		32	23 - 105	5	31
Benzo[a]anthracene			6670	5580		ug/Kg		84	51 - 100	4	21
Benzo[a]pyrene			6670	5540		ug/Kg		83	51 - 100	4	20
Benzo[b]fluoranthene			6670	5630		ug/Kg		84	48 - 100	7	20
Benzo[g,h,i]perylene			6670	4860		ug/Kg		73	48 - 105	6	19
Benzo[k]fluoranthene			6670	4570		ug/Kg		69	19 - 100	1	20
1,1'-Biphenyl			6670	5150		ug/Kg		77	50 - 100	6	19
Bis(2-chloroethoxy)methane			6670	5230		ug/Kg		78	49 - 100	6	20
Bis(2-chloroethyl)ether			6670	5110		ug/Kg		77	48 - 100	3	18
Bis(2-ethylhexyl) phthalate			6670	6710		ug/Kg		101	53 - 107	8	20
4-Bromophenyl phenyl ether			6670	5850		ug/Kg		88	52 - 101	4	20
Butyl benzyl phthalate			6670	6160		ug/Kg		92	52 - 107	5	19
Caprolactam			6670	4940		ug/Kg		74	48 - 111	1	23
Carbazole			6670	4940		ug/Kg		74	53 - 100	4	20
4-Chloroaniline			6670	5300		ug/Kg		80	47 - 100	4	20
4-Chloro-3-methylphenol			6670	5470		ug/Kg		82	49 - 106	3	20
2-Chloronaphthalene			6670	5220		ug/Kg		78	51 - 100	8	20
2-Chlorophenol			6670	5340		ug/Kg		80	51 - 100	5	17
4-Chlorophenyl phenyl ether			6670	5360		ug/Kg		80	52 - 100	6	19
Chrysene			6670	4920		ug/Kg		74	50 - 100	9	20
Dibenz(a,h)anthracene			6670	5490		ug/Kg		82	50 - 107	5	21
Dibenzofuran			6670	5040		ug/Kg		76	52 - 100	1	19
3,3'-Dichlorobenzidine			6670	5570		ug/Kg		83	43 - 100	4	19
2,4-Dichlorophenol			6670	5480		ug/Kg		82	53 - 101	4	22
Diethyl phthalate			6670	5370		ug/Kg		81	48 - 104	4	20
2,4-Dimethylphenol			6670	4350		ug/Kg		65	51 - 101	12	32
Dimethyl phthalate			6670	5330		ug/Kg		80	53 - 100	6	21
Di-n-butyl phthalate			6670	5490		ug/Kg		82	57 - 102	2	20
4,6-Dinitro-2-methylphenol			13300	9730		ug/Kg		73	51 - 100	6	22
2,4-Dinitrophenol			13300	8020		ug/Kg		60	33 - 101	5	20
2,4-Dinitrotoluene			6670	5580		ug/Kg		84	54 - 104	7	20
2,6-Dinitrotoluene			6670	5410		ug/Kg		81	51 - 106	6	20
Di-n-octyl phthalate			6670	7100		ug/Kg		106	41 - 106	8	18
1,4-Dioxane			6670	4700		ug/Kg		71	25 - 125	1	17

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-437835/3-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437835

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene			6670	5230		ug/Kg		78	55 - 100	6	20
Fluorene			6670	5180		ug/Kg		78	52 - 100	8	19
Hexachlorobenzene			6670	5910		ug/Kg		89	49 - 100	6	20
Hexachlorobutadiene			6670	5710		ug/Kg		86	38 - 107	4	22
Hexachlorocyclopentadiene			6670	4290		ug/Kg		64	33 - 117	7	19
Hexachloroethane			6670	5270		ug/Kg		79	47 - 100	4	17
Indeno[1,2,3-cd]pyrene			6670	5270		ug/Kg		79	51 - 103	6	19
Isophorone			6670	5420		ug/Kg		81	48 - 105	3	20
2-Methylnaphthalene			6670	5490		ug/Kg		82	53 - 100	4	21
2-Methylphenol			6670	4960		ug/Kg		74	50 - 101	6	17
Methylphenol, 3 & 4			6670	4950		ug/Kg		74	50 - 103	4	19
Naphthalene			6670	5260		ug/Kg		79	51 - 100	4	20
2-Nitroaniline			6670	5480		ug/Kg		82	42 - 123	6	19
3-Nitroaniline			6670	5350		ug/Kg		80	50 - 103	4	20
4-Nitroaniline			6670	5010		ug/Kg		75	52 - 103	2	18
Nitrobenzene			6670	5410		ug/Kg		81	44 - 108	5	21
2-Nitrophenol			6670	5990		ug/Kg		90	55 - 107	6	19
4-Nitrophenol			13300	11400		ug/Kg		85	30 - 134	9	18
N-Nitrosodi-n-propylamine			6670	5330		ug/Kg		80	45 - 107	3	18
N-Nitrosodiphenylamine			6670	5430		ug/Kg		81	52 - 100	5	20
2,2'-oxybis[1-chloropropane]			6670	5150		ug/Kg		77	30 - 113	3	17
Pentachlorophenol			13300	12600		ug/Kg		95	42 - 110	5	20
Phenanthrene			6670	5140		ug/Kg		77	53 - 100	4	20
Phenol			6670	4880		ug/Kg		73	49 - 100	3	16
Pyrene			6670	5680		ug/Kg		85	52 - 100	6	20
1,2,4,5-Tetrachlorobenzene			6670	5300		ug/Kg		80	41 - 104	5	21
2,3,4,6-Tetrachlorophenol			6670	5320		ug/Kg		80	47 - 104	3	18
2,4,5-Trichlorophenol			6670	5540		ug/Kg		83	50 - 104	7	21
2,4,6-Trichlorophenol			6670	5820		ug/Kg		87	50 - 105	9	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*44 - 105*
2-Fluorophenol (Surr)	*75*		*48 - 105*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*
Phenol-d5 (Surr)	*75*		*46 - 105*
Terphenyl-d14 (Surr)	*78*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-437834/1-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1221	ND		17	5.9	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1232	ND		17	4.1	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1242	ND		17	2.4	ug/Kg		06/13/23 16:30	06/14/23 19:46	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-437834/1-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		17	4.0	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1254	ND		17	5.0	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1260	ND		17	4.7	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1262	ND		17	5.9	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1268	ND		17	2.2	ug/Kg		06/13/23 16:30	06/14/23 19:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*06/13/23 16:30*	*06/14/23 19:46*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*06/13/23 16:30*	*06/14/23 19:46*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*06/13/23 16:30*	*06/14/23 19:46*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*06/13/23 16:30*	*06/14/23 19:46*	*1*

Lab Sample ID: LCS 180-437834/2-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437834

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1250		ug/Kg		94	43 - 136		
PCB-1260			1330	1160		ug/Kg		87	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*

Lab Sample ID: LCSD 180-437834/3-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437834

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1240		ug/Kg		93	43 - 136	0	40
PCB-1260			1330	1130		ug/Kg		85	55 - 128	3	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-437727/1-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		06/13/23 06:41	06/14/23 19:04	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-437727/1-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		20	3.6	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Beryllium	ND		0.40	0.11	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Cadmium	ND		0.50	0.073	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Calcium	ND		500	65	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Chromium	ND		0.50	0.46	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Cobalt	ND		5.0	0.70	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Copper	ND		2.5	1.5	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Iron	ND		10	9.7	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Lead	ND		1.0	0.87	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Magnesium	ND		500	55	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Manganese	ND		1.5	0.28	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Nickel	ND		4.0	0.50	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Potassium	ND		500	85	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Silver	ND		0.50	0.10	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Sodium	ND		500	51	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Thallium	ND		2.0	0.28	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Vanadium	ND		5.0	0.79	mg/Kg		06/13/23 06:41	06/14/23 19:04	1
Zinc	ND		2.0	1.5	mg/Kg		06/13/23 06:41	06/14/23 19:04	1

Lab Sample ID: MB 180-437727/1-A
Matrix: Solid
Analysis Batch: 438166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0	0.30	mg/Kg		06/13/23 06:41	06/15/23 16:13	1
Arsenic	ND		1.0	0.63	mg/Kg		06/13/23 06:41	06/15/23 16:13	1
Selenium	ND		1.0	0.46	mg/Kg		06/13/23 06:41	06/15/23 16:13	1

Lab Sample ID: LCS 180-437727/2-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	459		mg/Kg		92	80 - 120
Barium	100	90.8		mg/Kg		91	80 - 120
Beryllium	50.0	43.3		mg/Kg		87	80 - 120
Cadmium	50.0	47.8		mg/Kg		96	80 - 120
Calcium	2500	2270		mg/Kg		91	80 - 120
Chromium	50.0	45.1		mg/Kg		90	80 - 120
Cobalt	50.0	45.1		mg/Kg		90	80 - 120
Copper	50.0	48.7		mg/Kg		97	80 - 120
Iron	500	441		mg/Kg		88	80 - 120
Lead	50.0	44.0		mg/Kg		88	80 - 120
Magnesium	2500	2130		mg/Kg		85	80 - 120
Manganese	50.0	43.5		mg/Kg		87	80 - 120
Nickel	50.0	45.8		mg/Kg		92	80 - 120
Potassium	2500	2380		mg/Kg		95	80 - 120
Silver	25.0	23.2		mg/Kg		93	80 - 120
Sodium	2500	2410		mg/Kg		96	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-437727/2-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	100	87.9		mg/Kg		88	80 - 120
Vanadium	50.0	46.9		mg/Kg		94	80 - 120
Zinc	25.0	25.5		mg/Kg		102	80 - 120

Lab Sample ID: LCS 180-437727/2-A
Matrix: Solid
Analysis Batch: 438166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	25.0	23.4		mg/Kg		94	80 - 120
Arsenic	100	93.7		mg/Kg		94	80 - 120
Selenium	100	94.1		mg/Kg		94	80 - 120

Lab Sample ID: 180-157787-1 MS
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	11000		370	12500	4	mg/Kg	☼	388	75 - 125
Barium	170	F1	74.0	160	F1	mg/Kg	☼	-14	75 - 125
Beryllium	0.45		37.0	29.5		mg/Kg	☼	78	75 - 125
Cadmium	0.75		37.0	33.5		mg/Kg	☼	88	75 - 125
Calcium	5800	F1	1850	4740	F1	mg/Kg	☼	-57	75 - 125
Chromium	14		37.0	46.7		mg/Kg	☼	87	75 - 125
Cobalt	12		37.0	50.4		mg/Kg	☼	104	75 - 125
Copper	27		37.0	63.0		mg/Kg	☼	98	75 - 125
Iron	25000		370	25900	4	mg/Kg	☼	363	75 - 125
Lead	12		37.0	50.5		mg/Kg	☼	103	75 - 125
Magnesium	3300		1850	4970		mg/Kg	☼	91	75 - 125
Manganese	820		37.0	513	4	mg/Kg	☼	-830	75 - 125
Nickel	27		37.0	67.5		mg/Kg	☼	111	75 - 125
Potassium	710		1850	2140		mg/Kg	☼	77	75 - 125
Silver	ND		18.5	17.5		mg/Kg	☼	94	75 - 125
Sodium	75	J	1850	1790		mg/Kg	☼	92	75 - 125
Thallium	ND		74.0	68.9		mg/Kg	☼	93	75 - 125
Vanadium	16		37.0	49.8		mg/Kg	☼	92	75 - 125
Zinc	62	F1	18.5	85.2	F1	mg/Kg	☼	126	75 - 125

Lab Sample ID: 180-157787-1 MS
Matrix: Solid
Analysis Batch: 438166

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1 F2	18.5	4.83	F1	mg/Kg	☼	26	75 - 125
Arsenic	9.2		74.0	75.9		mg/Kg	☼	90	75 - 125
Selenium	ND		74.0	64.3		mg/Kg	☼	87	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-157787-1 MSD
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	11000		356	12200	4	mg/Kg	☼	308	75 - 125	3	20
Barium	170	F1	71.1	154	F1	mg/Kg	☼	-24	75 - 125	4	20
Beryllium	0.45		35.6	28.7		mg/Kg	☼	79	75 - 125	3	20
Cadmium	0.75		35.6	32.7		mg/Kg	☼	90	75 - 125	2	20
Calcium	5800	F1	1780	5060	F1	mg/Kg	☼	-41	75 - 125	6	20
Chromium	14		35.6	45.1		mg/Kg	☼	86	75 - 125	4	20
Cobalt	12		35.6	49.2		mg/Kg	☼	105	75 - 125	2	20
Copper	27		35.6	67.6		mg/Kg	☼	115	75 - 125	7	20
Iron	25000		356	25200	4	mg/Kg	☼	182	75 - 125	3	20
Lead	12		35.6	49.5		mg/Kg	☼	105	75 - 125	2	20
Magnesium	3300		1780	4710		mg/Kg	☼	80	75 - 125	5	20
Manganese	820		35.6	468	4	mg/Kg	☼	-991	75 - 125	9	20
Nickel	27		35.6	66.8		mg/Kg	☼	113	75 - 125	1	20
Potassium	710		1780	2100		mg/Kg	☼	78	75 - 125	2	20
Silver	ND		17.8	16.9		mg/Kg	☼	95	75 - 125	3	20
Sodium	75	J	1780	1720		mg/Kg	☼	93	75 - 125	4	20
Thallium	ND		71.1	68.1		mg/Kg	☼	96	75 - 125	1	20
Vanadium	16		35.6	48.9		mg/Kg	☼	93	75 - 125	2	20
Zinc	62	F1	17.8	82.7		mg/Kg	☼	117	75 - 125	3	20

Lab Sample ID: 180-157787-1 MSD
Matrix: Solid
Analysis Batch: 438166

Client Sample ID: SSHS-IRM5A2-MSA-B22A
Prep Type: Total/NA
Prep Batch: 437727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1 F2	17.8	6.03	F1 F2	mg/Kg	☼	34	75 - 125	22	20
Arsenic	9.2		71.1	73.5		mg/Kg	☼	90	75 - 125	3	20
Selenium	ND		71.1	62.0		mg/Kg	☼	87	75 - 125	4	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-437620/1-A
Matrix: Solid
Analysis Batch: 437690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		06/12/23 07:15	06/12/23 12:26	1

Lab Sample ID: LCS 180-437620/2-A
Matrix: Solid
Analysis Batch: 437690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437620

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.400		mg/Kg		96	80 - 120		

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-157787-1 MS
Client Sample ID: SSHS-IRM5A2-MSA-B22A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 437690
Prep Batch: 437620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.174	0.167		mg/Kg	☼	96	80 - 120

Lab Sample ID: 180-157787-1 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B22A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 437690
Prep Batch: 437620

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.172	0.158		mg/Kg	☼	92	80 - 120	6	20

GC/MS VOA

Analysis Batch: 437636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 8260C	437679
MB 180-437636/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-437636/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	

Prep Batch: 437679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 437835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3541	
MB 180-437835/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-437835/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-437835/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 437895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 8270D	437835
MB 180-437835/1-A	Method Blank	Total/NA	Solid	EPA 8270D	437835
LCS 180-437835/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	437835
LCSD 180-437835/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	437835

GC Semi VOA

Prep Batch: 437834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3541	
MB 180-437834/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 437856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3665A	437834
MB 180-437834/1-C	Method Blank	Total/NA	Solid	3665A	437834
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	3665A	437834
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	3665A	437834

Cleanup Batch: 437858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3660B	437856
MB 180-437834/1-C	Method Blank	Total/NA	Solid	3660B	437856
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	3660B	437856
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	3660B	437856

Analysis Batch: 437865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 8082A	437858
MB 180-437834/1-C	Method Blank	Total/NA	Solid	EPA 8082A	437858
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	437858

GC Semi VOA (Continued)

Analysis Batch: 437865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	437858

Metals

Prep Batch: 437620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	7471B	
MB 180-437620/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-437620/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	7471B	
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	7471B	

Analysis Batch: 437690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 7471B	437620
MB 180-437620/1-A	Method Blank	Total/NA	Solid	EPA 7471B	437620
LCS 180-437620/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	437620
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 7471B	437620
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 7471B	437620

Prep Batch: 437727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3050B	
MB 180-437727/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-437727/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3050B	
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	3050B	

Analysis Batch: 438036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 6010C	437727
MB 180-437727/1-A	Method Blank	Total/NA	Solid	EPA 6010C	437727
LCS 180-437727/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	437727
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 6010C	437727
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 6010C	437727

Analysis Batch: 438166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 6010C	437727
MB 180-437727/1-A	Method Blank	Total/NA	Solid	EPA 6010C	437727
LCS 180-437727/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	437727
180-157787-1 MS	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 6010C	437727
180-157787-1 MSD	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	EPA 6010C	437727

General Chemistry

Analysis Batch: 437705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157787-1	SSHS-IRM5A2-MSA-B22A	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

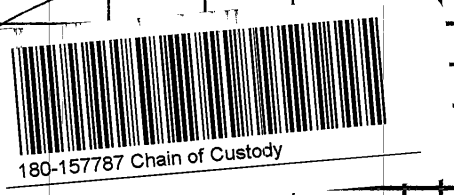
Documentation

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 1-Day		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 40-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec.com	WO #:		
Project Name: Former Sperry Remington Site	Project #: 18013464		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-MSA-B22A	6/9/23	1700	G	S	N	N	X	X	X	X	X	X									8	



Non-Hazard	Flammable	Skin Irritant	Poison B	Unknown	Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client | Disposal By Lab | Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 6/9/23 17:30	Company: Geosyntec	Received by:	Date/Time: 6-10-23 0930	Company: EPI Fluid
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

6/16/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B22A	6/9/23	1700	G	S	N	N	X	X	X	X	X	X	8	

180-157787 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Zach Miller	Date/Time: 6/9/23 17:30	Company: Geosyntec	Received by:	Date/Time: 6.10.23 915	Company: GEL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 4, 1c

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-157787 Field Sheet

Job: _____

Tracking # : 773346877365

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: IR04 Corr. Factor: (+ / -) -1 °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 4.1 °C Corrected: 4.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JB Date: 6.10.23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JB Date: 6.10.23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: JB Date: 6.10.23


SHIP DATE: 09JUN23
ACTWGT: 50.00 LB
BILL SENDER
TO TESTAMERICA LABORATORY
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-6000
DEPT: 1751
FedEx Express
SATURDAY 12:00P
PRIORITY OVERNIGHT
TRK# 0201 7723 4687 7365
95605
SMF
X0 BLUA
Quality Environmental Containers
800-266-3980 • www.qeousa.com

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157787-1

Login Number: 157787
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-157818-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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6/16/2023 12:53:27 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-157818-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157818-1

Receipt
The sample was received on 6/13/2023 at the Eurofins Pittsburgh, PA laboratory; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for batch 180-437875 recovered above the control limits for the following analyte: Vinyl chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-437875 was above the control limits for the following analyte: Chloromethane. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-437875 was below criteria for the following analytes: 2-Hexanone, Acetone, Chloroethane, Chlorodibromomethane, 4-Methyl-2-pentanone , Bromoform, 1,2-Dibromo-3-Chloropropane, 2-Butanone, and 1,2-Dichloroethane-d4 (surrogate). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-437875 was above criteria for the following analytes: Trichlorofluoromethane, Vinyl chloride, and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-437895 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-157818-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157818-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157818-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157818-1	SSHS-IRM5A2-MSA-B22B	Solid	06/12/23 14:30	06/13/23 10:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157818-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157818-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Lab Sample ID: 180-157818-1
Date Collected: 06/12/23 14:30
Matrix: Solid
Date Received: 06/13/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			437818	06/13/23 13:22	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Lab Sample ID: 180-157818-1
Date Collected: 06/12/23 14:30
Matrix: Solid
Date Received: 06/13/23 10:00
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2326 g	5 mL	437929	06/14/23 07:42	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	437875	06/14/23 11:34	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	437835	06/13/23 16:44	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	437895	06/14/23 17:50	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.5 g	20.0 mL	437834	06/13/23 16:30	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	437856	06/14/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	437858	06/14/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	437865	06/14/23 23:00	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.53 g	50 mL	437812	06/13/23 12:18	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			438036	06/14/23 11:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	437884	06/14/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437968	06/14/23 13:50	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

JSM = Joseph Moore
MTW = Michael Wesoloski
PJJ = Patrick Journet
S1Z = Sage Ziviello

Batch Type: Analysis

AAS = Arianna Swick
CMC = Candace California
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-157818-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Lab Sample ID: 180-157818-1
Date Collected: 06/12/23 14:30
Matrix: Solid
Date Received: 06/13/23 10:00
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Benzene	ND		5.0	1.4	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Chloroethane	ND	*1	5.0	2.9	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,4-Dioxane	ND		1000	75	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Styrene	ND		5.0	1.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Tetrachloroethene	**7.7**		5.0	2.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Toluene	ND		5.0	1.4	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2,3-Trichlorobenzene	ND		10	2.7	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Lab Sample ID: 180-157818-1
Date Collected: 06/12/23 14:30
Matrix: Solid
Date Received: 06/13/23 10:00
Percent Solids: 96.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Vinyl chloride	ND	*+	5.0	3.6	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	06/14/23 07:42	06/14/23 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*06/14/23 07:42*	*06/14/23 11:34*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*06/14/23 07:42*	*06/14/23 11:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*06/14/23 07:42*	*06/14/23 11:34*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*06/14/23 07:42*	*06/14/23 11:34*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Acenaphthylene	ND		69	15	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Acetophenone	ND		690	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Anthracene	ND		69	18	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Atrazine	ND		690	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Benzaldehyde	ND		690	43	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Caprolactam	ND		1800	220	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Carbazole	ND		69	16	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Chrysene	ND		69	38	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Dibenzofuran	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Lab Sample ID: 180-157818-1
Date Collected: 06/12/23 14:30
Matrix: Solid
Date Received: 06/13/23 10:00
Percent Solids: 96.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Fluoranthene	ND		69	18	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Fluorene	ND		69	14	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Hexachloroethane	ND		340	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Isophorone	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2-Methylphenol	ND		340	99	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Naphthalene	ND		69	13	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Nitrobenzene	ND		690	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Phenanthrene	ND		69	19	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Phenol	ND		340	100	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
Pyrene	ND		69	16	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	06/13/23 16:44	06/14/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*06/13/23 16:44*	*06/14/23 17:50*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*06/13/23 16:44*	*06/14/23 17:50*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*06/13/23 16:44*	*06/14/23 17:50*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*06/13/23 16:44*	*06/14/23 17:50*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*06/13/23 16:44*	*06/14/23 17:50*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*06/13/23 16:44*	*06/14/23 17:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1221	ND		17	5.9	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1232	ND		17	4.1	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1242	ND		17	2.5	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1248	ND		17	4.0	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1254	ND		17	5.0	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1260	ND		17	4.8	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Lab Sample ID: 180-157818-1

Date Collected: 06/12/23 14:30
Matrix: Solid

Date Received: 06/13/23 10:00
Percent Solids: 96.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	5.9	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1
PCB-1268	ND		17	2.3	ug/Kg	☼	06/13/23 16:30	06/14/23 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*06/13/23 16:30*	*06/14/23 23:00*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*06/13/23 16:30*	*06/14/23 23:00*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*06/13/23 16:30*	*06/14/23 23:00*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*06/13/23 16:30*	*06/14/23 23:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**	**B**	20	4.9	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Antimony	ND		0.98	0.30	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Arsenic	**12**		0.98	0.62	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Barium	**110**		20	3.5	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Beryllium	**0.54**		0.39	0.11	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Cadmium	**0.64**		0.49	0.072	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Calcium	**3700**		490	63	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Chromium	**16**		0.49	0.45	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Cobalt	**13**		4.9	0.69	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Copper	**27**		2.5	1.5	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Iron	**27000**		9.8	9.6	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Lead	**13**		0.98	0.86	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Magnesium	**3900**		490	54	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Manganese	**660**		1.5	0.27	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Nickel	**29**		3.9	0.50	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Potassium	**1100**		490	84	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Selenium	ND		0.98	0.45	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Silver	ND		0.49	0.10	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Sodium	**120**	**J**	490	50	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Thallium	ND		2.0	0.28	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Vanadium	**17**		4.9	0.78	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1
Zinc	**64**		2.0	1.4	mg/Kg	☼	06/13/23 12:18	06/14/23 11:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	06/14/23 08:45	06/14/23 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.0**		0.1	0.1	%			06/13/23 13:22	1
Percent Solids (SM22 2540G)	**96.0**		0.1	0.1	%			06/13/23 13:22	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-437875/7
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			06/14/23 10:48	1
Benzene	ND		5.0	1.4	ug/Kg			06/14/23 10:48	1
Bromoform	ND		5.0	2.5	ug/Kg			06/14/23 10:48	1
Bromomethane	ND		5.0	2.3	ug/Kg			06/14/23 10:48	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			06/14/23 10:48	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			06/14/23 10:48	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			06/14/23 10:48	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			06/14/23 10:48	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			06/14/23 10:48	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			06/14/23 10:48	1
Chloroethane	ND		5.0	2.9	ug/Kg			06/14/23 10:48	1
Chloroform	ND		5.0	3.4	ug/Kg			06/14/23 10:48	1
Chloromethane	ND		5.0	2.0	ug/Kg			06/14/23 10:48	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			06/14/23 10:48	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			06/14/23 10:48	1
Cyclohexane	ND		5.0	2.4	ug/Kg			06/14/23 10:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			06/14/23 10:48	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			06/14/23 10:48	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			06/14/23 10:48	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			06/14/23 10:48	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			06/14/23 10:48	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			06/14/23 10:48	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			06/14/23 10:48	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			06/14/23 10:48	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			06/14/23 10:48	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			06/14/23 10:48	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			06/14/23 10:48	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			06/14/23 10:48	1
1,4-Dioxane	ND		1000	76	ug/Kg			06/14/23 10:48	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			06/14/23 10:48	1
2-Hexanone	ND		25	1.6	ug/Kg			06/14/23 10:48	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			06/14/23 10:48	1
Methyl acetate	ND		25	7.4	ug/Kg			06/14/23 10:48	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			06/14/23 10:48	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			06/14/23 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			06/14/23 10:48	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			06/14/23 10:48	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			06/14/23 10:48	1
o-Xylene	ND		5.0	2.0	ug/Kg			06/14/23 10:48	1
Styrene	ND		5.0	1.5	ug/Kg			06/14/23 10:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			06/14/23 10:48	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			06/14/23 10:48	1
Toluene	ND		5.0	1.4	ug/Kg			06/14/23 10:48	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			06/14/23 10:48	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			06/14/23 10:48	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			06/14/23 10:48	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			06/14/23 10:48	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			06/14/23 10:48	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-437875/7
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			06/14/23 10:48	1
Trichloroethene	ND		5.0	1.6	ug/Kg			06/14/23 10:48	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			06/14/23 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			06/14/23 10:48	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			06/14/23 10:48	1
Xylenes, Total	ND		10	7.2	ug/Kg			06/14/23 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*		*06/14/23 10:48*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*		*06/14/23 10:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*		*06/14/23 10:48*	*1*
Toluene-d8 (Surr)	*77*		*67 - 134*		*06/14/23 10:48*	*1*

Lab Sample ID: LCS 180-437875/3
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	25.3		ug/Kg		63	23 - 170
Benzene	40.0	38.4		ug/Kg		96	77 - 120
Bromoform	40.0	30.4		ug/Kg		76	37 - 147
Bromomethane	80.0	75.9		ug/Kg		95	47 - 149
2-Butanone (MEK)	40.0	26.0		ug/Kg		65	39 - 157
Carbon disulfide	40.0	38.6		ug/Kg		96	40 - 156
Carbon tetrachloride	40.0	36.2		ug/Kg		90	73 - 130
Chlorobenzene	40.0	36.4		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	35.7		ug/Kg		89	64 - 128
Chlorodibromomethane	40.0	32.9		ug/Kg		82	60 - 134
Chloroethane	80.0	107		ug/Kg		134	37 - 159
Chloroform	40.0	38.5		ug/Kg		96	73 - 126
Chloromethane	80.0	109		ug/Kg		137	46 - 151
cis-1,2-Dichloroethene	40.0	38.0		ug/Kg		95	77 - 118
cis-1,3-Dichloropropene	40.0	36.5		ug/Kg		91	73 - 127
Cyclohexane	40.0	37.8		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	30.0		ug/Kg		75	30 - 163
1,2-Dibromoethane	40.0	34.7		ug/Kg		87	59 - 137
1,2-Dichlorobenzene	40.0	36.7		ug/Kg		92	76 - 120
1,3-Dichlorobenzene	40.0	37.4		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	36.9		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	36.0		ug/Kg		90	75 - 123
Dichlorodifluoromethane	80.0	104		ug/Kg		130	26 - 149
1,1-Dichloroethane	40.0	38.3		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	34.8		ug/Kg		87	64 - 140
1,1-Dichloroethene	40.0	38.5		ug/Kg		96	55 - 136
1,2-Dichloroethene, Total	80.0	76.8		ug/Kg		96	77 - 119
1,2-Dichloropropane	40.0	37.1		ug/Kg		93	77 - 119
1,4-Dioxane	800	759	J	ug/Kg		95	18 - 166
Ethylbenzene	40.0	37.3		ug/Kg		93	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-437875/3
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	24.6	J	ug/Kg		61	42 - 152
Isopropylbenzene	40.0	38.0		ug/Kg		95	70 - 125
Methyl acetate	80.0	78.5		ug/Kg		98	20 - 170
Methylcyclohexane	40.0	37.6		ug/Kg		94	70 - 125
Methylene Chloride	40.0	40.9		ug/Kg		102	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	30.3		ug/Kg		76	51 - 147
Methyl tert-butyl ether	40.0	33.5		ug/Kg		84	58 - 132
m-Xylene & p-Xylene	40.0	37.0		ug/Kg		92	77 - 120
o-Xylene	40.0	36.9		ug/Kg		92	78 - 118
Styrene	40.0	37.2		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	40.0	34.4		ug/Kg		86	36 - 170
Tetrachloroethene	40.0	36.7		ug/Kg		92	71 - 121
Toluene	40.0	37.3		ug/Kg		93	76 - 120
trans-1,2-Dichloroethene	40.0	38.8		ug/Kg		97	75 - 122
trans-1,3-Dichloropropene	40.0	34.2		ug/Kg		86	68 - 133
1,2,3-Trichlorobenzene	40.0	35.8		ug/Kg		89	29 - 166
1,2,4-Trichlorobenzene	40.0	35.9		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	38.0		ug/Kg		95	72 - 134
1,1,2-Trichloroethane	40.0	34.5		ug/Kg		86	66 - 128
Trichloroethene	40.0	37.0		ug/Kg		92	69 - 118
Trichlorofluoromethane	80.0	115		ug/Kg		144	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.3		ug/Kg		91	59 - 135
Vinyl chloride	80.0	114	*+	ug/Kg		142	64 - 134
Xylenes, Total	80.0	73.9		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*85*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*
Toluene-d8 (Surr)	*78*		*67 - 134*

Lab Sample ID: LCSD 180-437875/4
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	26.0		ug/Kg		65	23 - 170	3	35
Benzene	40.0	38.3		ug/Kg		96	77 - 120	0	20
Bromoform	40.0	28.5		ug/Kg		71	37 - 147	6	23
Bromomethane	80.0	69.4		ug/Kg		87	47 - 149	9	25
2-Butanone (MEK)	40.0	25.8		ug/Kg		65	39 - 157	1	33
Carbon disulfide	40.0	38.3		ug/Kg		96	40 - 156	1	25
Carbon tetrachloride	40.0	36.4		ug/Kg		91	73 - 130	1	21
Chlorobenzene	40.0	35.1		ug/Kg		88	79 - 122	4	20
Chlorobromomethane	40.0	35.8		ug/Kg		89	64 - 128	0	20
Chlorodibromomethane	40.0	31.5		ug/Kg		79	60 - 134	4	40
Chloroethane	80.0	52.4	*1	ug/Kg		66	37 - 159	69	25
Chloroform	40.0	37.5		ug/Kg		94	73 - 126	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-437875/4
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			80.0	101		ug/Kg		127	46 - 151	8	33
cis-1,2-Dichloroethene			40.0	37.3		ug/Kg		93	77 - 118	2	20
cis-1,3-Dichloropropene			40.0	36.3		ug/Kg		91	73 - 127	1	20
Cyclohexane			40.0	37.4		ug/Kg		94	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	29.0		ug/Kg		73	30 - 163	3	34
1,2-Dibromoethane			40.0	33.3		ug/Kg		83	59 - 137	4	20
1,2-Dichlorobenzene			40.0	35.3		ug/Kg		88	76 - 120	4	20
1,3-Dichlorobenzene			40.0	35.9		ug/Kg		90	77 - 121	4	20
1,4-Dichlorobenzene			40.0	35.5		ug/Kg		89	79 - 120	4	20
Dichlorobromomethane			40.0	36.1		ug/Kg		90	75 - 123	0	20
Dichlorodifluoromethane			80.0	90.9		ug/Kg		114	26 - 149	14	24
1,1-Dichloroethane			40.0	38.0		ug/Kg		95	73 - 124	1	20
1,2-Dichloroethane			40.0	35.0		ug/Kg		88	64 - 140	0	20
1,1-Dichloroethene			40.0	38.3		ug/Kg		96	55 - 136	0	21
1,2-Dichloroethene, Total			80.0	76.2		ug/Kg		95	77 - 119	1	20
1,2-Dichloropropane			40.0	36.5		ug/Kg		91	77 - 119	2	20
1,4-Dioxane			800	822	J	ug/Kg		103	18 - 166	8	40
Ethylbenzene			40.0	36.3		ug/Kg		91	79 - 119	3	20
2-Hexanone			40.0	25.4		ug/Kg		64	42 - 152	4	30
Isopropylbenzene			40.0	36.6		ug/Kg		91	70 - 125	4	21
Methyl acetate			80.0	75.3		ug/Kg		94	20 - 170	4	33
Methylcyclohexane			40.0	37.5		ug/Kg		94	70 - 125	0	22
Methylene Chloride			40.0	39.7		ug/Kg		99	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	29.5		ug/Kg		74	51 - 147	2	27
Methyl tert-butyl ether			40.0	33.6		ug/Kg		84	58 - 132	0	24
m-Xylene & p-Xylene			40.0	36.2		ug/Kg		90	77 - 120	2	20
o-Xylene			40.0	35.7		ug/Kg		89	78 - 118	3	20
Styrene			40.0	35.1		ug/Kg		88	80 - 120	6	20
1,1,2,2-Tetrachloroethane			40.0	32.0		ug/Kg		80	36 - 170	7	23
Tetrachloroethene			40.0	36.4		ug/Kg		91	71 - 121	1	21
Toluene			40.0	36.7		ug/Kg		92	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	38.9		ug/Kg		97	75 - 122	0	20
trans-1,3-Dichloropropene			40.0	33.7		ug/Kg		84	68 - 133	2	20
1,2,3-Trichlorobenzene			40.0	34.5		ug/Kg		86	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	34.3		ug/Kg		86	22 - 170	5	29
1,1,1-Trichloroethane			40.0	37.3		ug/Kg		93	72 - 134	2	20
1,1,2-Trichloroethane			40.0	33.8		ug/Kg		84	66 - 128	2	21
Trichloroethene			40.0	37.5		ug/Kg		94	69 - 118	1	20
Trichlorofluoromethane			80.0	102		ug/Kg		128	32 - 149	12	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.1		ug/Kg		90	59 - 135	1	28
Vinyl chloride			80.0	99.3		ug/Kg		124	64 - 134	13	23
Xylenes, Total			80.0	71.9		ug/Kg		90	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*88*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-437875/4
Matrix: Solid
Analysis Batch: 437875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	81		67 - 134

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-437835/1-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Acenaphthylene	ND		67	15	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Acetophenone	ND		670	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Anthracene	ND		67	17	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Atrazine	ND		670	150	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzaldehyde	ND		670	41	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[a]anthracene	ND		67	30	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[a]pyrene	ND		67	29	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
1,1'-Biphenyl	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Caprolactam	ND		1700	220	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Carbazole	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Chloroaniline	ND		330	88	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Chloronaphthalene	ND		67	15	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Chlorophenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Chrysene	ND		67	37	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Dibenzofuran	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Diethyl phthalate	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Dimethyl phthalate	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
1,4-Dioxane	ND		670	100	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Fluoranthene	ND		67	18	ug/Kg		06/13/23 16:44	06/14/23 08:54	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-437835/1-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachlorobenzene	ND		67	24	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachlorobutadiene	ND		67	20	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Hexachloroethane	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Isophorone	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Methylnaphthalene	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Methylphenol	ND		330	96	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Naphthalene	ND		67	13	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Nitroaniline	ND		1700	150	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
3-Nitroaniline	ND		1700	85	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Nitroaniline	ND		1700	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Nitrobenzene	ND		670	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2-Nitrophenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
4-Nitrophenol	ND		1700	230	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Pentachlorophenol	ND		1700	540	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Phenanthrene	ND		67	18	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Phenol	ND		330	100	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
Pyrene	ND		67	16	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		06/13/23 16:44	06/14/23 08:54	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		06/13/23 16:44	06/14/23 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*06/13/23 16:44*	*06/14/23 08:54*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*	*06/13/23 16:44*	*06/14/23 08:54*	*1*

Lab Sample ID: LCS 180-437835/2-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4750		ug/Kg		71	50 - 100
Acenaphthylene	6670	5200		ug/Kg		78	52 - 100
Acetophenone	6670	5120		ug/Kg		77	48 - 100
Anthracene	6670	4880		ug/Kg		73	53 - 100
Atrazine	6670	5430		ug/Kg		81	49 - 103
Benzaldehyde	6670	2060		ug/Kg		31	23 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-437835/2-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	5380		ug/Kg		81	51 - 100
Benzo[a]pyrene	6670	5310		ug/Kg		80	51 - 100
Benzo[b]fluoranthene	6670	5240		ug/Kg		79	48 - 100
Benzo[g,h,i]perylene	6670	4580		ug/Kg		69	48 - 105
Benzo[k]fluoranthene	6670	4610		ug/Kg		69	19 - 100
1,1'-Biphenyl	6670	4850		ug/Kg		73	50 - 100
Bis(2-chloroethoxy)methane	6670	4930		ug/Kg		74	49 - 100
Bis(2-chloroethyl)ether	6670	4950		ug/Kg		74	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6170		ug/Kg		93	53 - 107
4-Bromophenyl phenyl ether	6670	5610		ug/Kg		84	52 - 101
Butyl benzyl phthalate	6670	5870		ug/Kg		88	52 - 107
Caprolactam	6670	4880		ug/Kg		73	48 - 111
Carbazole	6670	4720		ug/Kg		71	53 - 100
4-Chloroaniline	6670	5100		ug/Kg		77	47 - 100
4-Chloro-3-methylphenol	6670	5300		ug/Kg		80	49 - 106
2-Chloronaphthalene	6670	4840		ug/Kg		73	51 - 100
2-Chlorophenol	6670	5090		ug/Kg		76	51 - 100
4-Chlorophenyl phenyl ether	6670	5070		ug/Kg		76	52 - 100
Chrysene	6670	4490		ug/Kg		67	50 - 100
Dibenz(a,h)anthracene	6670	5240		ug/Kg		79	50 - 107
Dibenzofuran	6670	5000		ug/Kg		75	52 - 100
3,3'-Dichlorobenzidine	6670	5330		ug/Kg		80	43 - 100
2,4-Dichlorophenol	6670	5270		ug/Kg		79	53 - 101
Diethyl phthalate	6670	5140		ug/Kg		77	48 - 104
2,4-Dimethylphenol	6670	3840		ug/Kg		58	51 - 101
Dimethyl phthalate	6670	5030		ug/Kg		75	53 - 100
Di-n-butyl phthalate	6670	5370		ug/Kg		81	57 - 102
4,6-Dinitro-2-methylphenol	13300	9140		ug/Kg		69	51 - 100
2,4-Dinitrophenol	13300	7620		ug/Kg		57	33 - 101
2,4-Dinitrotoluene	6670	5190		ug/Kg		78	54 - 104
2,6-Dinitrotoluene	6670	5110		ug/Kg		77	51 - 106
Di-n-octyl phthalate	6670	6520		ug/Kg		98	41 - 106
1,4-Dioxane	6670	4730		ug/Kg		71	25 - 125
Fluoranthene	6670	4930		ug/Kg		74	55 - 100
Fluorene	6670	4800		ug/Kg		72	52 - 100
Hexachlorobenzene	6670	5550		ug/Kg		83	49 - 100
Hexachlorobutadiene	6670	5460		ug/Kg		82	38 - 107
Hexachlorocyclopentadiene	6670	4010		ug/Kg		60	33 - 117
Hexachloroethane	6670	5060		ug/Kg		76	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4980		ug/Kg		75	51 - 103
Isophorone	6670	5240		ug/Kg		79	48 - 105
2-Methylnaphthalene	6670	5260		ug/Kg		79	53 - 100
2-Methylphenol	6670	4660		ug/Kg		70	50 - 101
Methylphenol, 3 & 4	6670	4760		ug/Kg		71	50 - 103
Naphthalene	6670	5050		ug/Kg		76	51 - 100
2-Nitroaniline	6670	5160		ug/Kg		77	42 - 123
3-Nitroaniline	6670	5150		ug/Kg		77	50 - 103
4-Nitroaniline	6670	4930		ug/Kg		74	52 - 103
Nitrobenzene	6670	5120		ug/Kg		77	44 - 108

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-437835/2-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437835

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Nitrophenol			6670	5630		ug/Kg		84	55 - 107		
4-Nitrophenol			13300	10400		ug/Kg		78	30 - 134		
N-Nitrosodi-n-propylamine			6670	5160		ug/Kg		77	45 - 107		
N-Nitrosodiphenylamine			6670	5190		ug/Kg		78	52 - 100		
2,2'-oxybis[1-chloropropane]			6670	4970		ug/Kg		75	30 - 113		
Pentachlorophenol			13300	12000		ug/Kg		90	42 - 110		
Phenanthrene			6670	4920		ug/Kg		74	53 - 100		
Phenol			6670	4730		ug/Kg		71	49 - 100		
Pyrene			6670	5360		ug/Kg		80	52 - 100		
1,2,4,5-Tetrachlorobenzene			6670	5040		ug/Kg		76	41 - 104		
2,3,4,6-Tetrachlorophenol			6670	5170		ug/Kg		78	47 - 104		
2,4,5-Trichlorophenol			6670	5190		ug/Kg		78	50 - 104		
2,4,6-Trichlorophenol			6670	5330		ug/Kg		80	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*75*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*

Lab Sample ID: LCSD 180-437835/3-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437835

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	5050		ug/Kg		76	50 - 100	6	20
Acenaphthylene			6670	5600		ug/Kg		84	52 - 100	8	20
Acetophenone			6670	5070		ug/Kg		76	48 - 100	1	17
Anthracene			6670	5250		ug/Kg		79	53 - 100	7	20
Atrazine			6670	5730		ug/Kg		86	49 - 103	5	19
Benzaldehyde			6670	2150		ug/Kg		32	23 - 105	5	31
Benzo[a]anthracene			6670	5580		ug/Kg		84	51 - 100	4	21
Benzo[a]pyrene			6670	5540		ug/Kg		83	51 - 100	4	20
Benzo[b]fluoranthene			6670	5630		ug/Kg		84	48 - 100	7	20
Benzo[g,h,i]perylene			6670	4860		ug/Kg		73	48 - 105	6	19
Benzo[k]fluoranthene			6670	4570		ug/Kg		69	19 - 100	1	20
1,1'-Biphenyl			6670	5150		ug/Kg		77	50 - 100	6	19
Bis(2-chloroethoxy)methane			6670	5230		ug/Kg		78	49 - 100	6	20
Bis(2-chloroethyl)ether			6670	5110		ug/Kg		77	48 - 100	3	18
Bis(2-ethylhexyl) phthalate			6670	6710		ug/Kg		101	53 - 107	8	20
4-Bromophenyl phenyl ether			6670	5850		ug/Kg		88	52 - 101	4	20
Butyl benzyl phthalate			6670	6160		ug/Kg		92	52 - 107	5	19
Caprolactam			6670	4940		ug/Kg		74	48 - 111	1	23
Carbazole			6670	4940		ug/Kg		74	53 - 100	4	20
4-Chloroaniline			6670	5300		ug/Kg		80	47 - 100	4	20
4-Chloro-3-methylphenol			6670	5470		ug/Kg		82	49 - 106	3	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-437835/3-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene	6670	5220		ug/Kg		78	51 - 100	8	20
2-Chlorophenol	6670	5340		ug/Kg		80	51 - 100	5	17
4-Chlorophenyl phenyl ether	6670	5360		ug/Kg		80	52 - 100	6	19
Chrysene	6670	4920		ug/Kg		74	50 - 100	9	20
Dibenz(a,h)anthracene	6670	5490		ug/Kg		82	50 - 107	5	21
Dibenzofuran	6670	5040		ug/Kg		76	52 - 100	1	19
3,3'-Dichlorobenzidine	6670	5570		ug/Kg		83	43 - 100	4	19
2,4-Dichlorophenol	6670	5480		ug/Kg		82	53 - 101	4	22
Diethyl phthalate	6670	5370		ug/Kg		81	48 - 104	4	20
2,4-Dimethylphenol	6670	4350		ug/Kg		65	51 - 101	12	32
Dimethyl phthalate	6670	5330		ug/Kg		80	53 - 100	6	21
Di-n-butyl phthalate	6670	5490		ug/Kg		82	57 - 102	2	20
4,6-Dinitro-2-methylphenol	13300	9730		ug/Kg		73	51 - 100	6	22
2,4-Dinitrophenol	13300	8020		ug/Kg		60	33 - 101	5	20
2,4-Dinitrotoluene	6670	5580		ug/Kg		84	54 - 104	7	20
2,6-Dinitrotoluene	6670	5410		ug/Kg		81	51 - 106	6	20
Di-n-octyl phthalate	6670	7100		ug/Kg		106	41 - 106	8	18
1,4-Dioxane	6670	4700		ug/Kg		71	25 - 125	1	17
Fluoranthene	6670	5230		ug/Kg		78	55 - 100	6	20
Fluorene	6670	5180		ug/Kg		78	52 - 100	8	19
Hexachlorobenzene	6670	5910		ug/Kg		89	49 - 100	6	20
Hexachlorobutadiene	6670	5710		ug/Kg		86	38 - 107	4	22
Hexachlorocyclopentadiene	6670	4290		ug/Kg		64	33 - 117	7	19
Hexachloroethane	6670	5270		ug/Kg		79	47 - 100	4	17
Indeno[1,2,3-cd]pyrene	6670	5270		ug/Kg		79	51 - 103	6	19
Isophorone	6670	5420		ug/Kg		81	48 - 105	3	20
2-Methylnaphthalene	6670	5490		ug/Kg		82	53 - 100	4	21
2-Methylphenol	6670	4960		ug/Kg		74	50 - 101	6	17
Methylphenol, 3 & 4	6670	4950		ug/Kg		74	50 - 103	4	19
Naphthalene	6670	5260		ug/Kg		79	51 - 100	4	20
2-Nitroaniline	6670	5480		ug/Kg		82	42 - 123	6	19
3-Nitroaniline	6670	5350		ug/Kg		80	50 - 103	4	20
4-Nitroaniline	6670	5010		ug/Kg		75	52 - 103	2	18
Nitrobenzene	6670	5410		ug/Kg		81	44 - 108	5	21
2-Nitrophenol	6670	5990		ug/Kg		90	55 - 107	6	19
4-Nitrophenol	13300	11400		ug/Kg		85	30 - 134	9	18
N-Nitrosodi-n-propylamine	6670	5330		ug/Kg		80	45 - 107	3	18
N-Nitrosodiphenylamine	6670	5430		ug/Kg		81	52 - 100	5	20
2,2'-oxybis[1-chloropropane]	6670	5150		ug/Kg		77	30 - 113	3	17
Pentachlorophenol	13300	12600		ug/Kg		95	42 - 110	5	20
Phenanthrene	6670	5140		ug/Kg		77	53 - 100	4	20
Phenol	6670	4880		ug/Kg		73	49 - 100	3	16
Pyrene	6670	5680		ug/Kg		85	52 - 100	6	20
1,2,4,5-Tetrachlorobenzene	6670	5300		ug/Kg		80	41 - 104	5	21
2,3,4,6-Tetrachlorophenol	6670	5320		ug/Kg		80	47 - 104	3	18
2,4,5-Trichlorophenol	6670	5540		ug/Kg		83	50 - 104	7	21
2,4,6-Trichlorophenol	6670	5820		ug/Kg		87	50 - 105	9	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-437835/3-A
Matrix: Solid
Analysis Batch: 437895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437835

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	74		44 - 105
2-Fluorophenol (Surr)	75		48 - 105
Nitrobenzene-d5 (Surr)	75		46 - 105
Phenol-d5 (Surr)	75		46 - 105
Terphenyl-d14 (Surr)	78		39 - 105
2,4,6-Tribromophenol (Surr)	86		34 - 108

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-437834/1-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1221	ND		17	5.9	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1232	ND		17	4.1	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1242	ND		17	2.4	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1248	ND		17	4.0	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1254	ND		17	5.0	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1260	ND		17	4.7	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1262	ND		17	5.9	ug/Kg		06/13/23 16:30	06/14/23 19:46	1
PCB-1268	ND		17	2.2	ug/Kg		06/13/23 16:30	06/14/23 19:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		63 - 138	06/13/23 16:30	06/14/23 19:46	1
DCB Decachlorobiphenyl (Surr)	95		63 - 138	06/13/23 16:30	06/14/23 19:46	1
Tetrachloro-m-xylene (Surr)	102		55 - 135	06/13/23 16:30	06/14/23 19:46	1
Tetrachloro-m-xylene (Surr)	100		55 - 135	06/13/23 16:30	06/14/23 19:46	1

Lab Sample ID: LCS 180-437834/2-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1250		ug/Kg		94	43 - 136
PCB-1260	1330	1160		ug/Kg		87	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	96		63 - 138
DCB Decachlorobiphenyl (Surr)	94		63 - 138
Tetrachloro-m-xylene (Surr)	104		55 - 135
Tetrachloro-m-xylene (Surr)	104		55 - 135

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 180-437834/3-C
Matrix: Solid
Analysis Batch: 437865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437834

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1240		ug/Kg		93	43 - 136	0	40
PCB-1260			1330	1130		ug/Kg		85	55 - 128	3	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-437812/1-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6.41	J	20	5.0	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Antimony	ND		1.0	0.30	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Arsenic	ND		1.0	0.63	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Barium	ND		20	3.6	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Beryllium	ND		0.40	0.11	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Cadmium	ND		0.50	0.073	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Calcium	ND		500	65	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Chromium	ND		0.50	0.46	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Cobalt	ND		5.0	0.70	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Copper	ND		2.5	1.5	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Iron	ND		10	9.7	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Lead	ND		1.0	0.87	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Magnesium	ND		500	55	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Manganese	ND		1.5	0.28	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Nickel	ND		4.0	0.50	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Potassium	ND		500	85	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Selenium	ND		1.0	0.46	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Silver	ND		0.50	0.10	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Sodium	ND		500	51	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Thallium	ND		2.0	0.28	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Vanadium	ND		5.0	0.79	mg/Kg		06/13/23 12:18	06/14/23 11:01	1
Zinc	ND		2.0	1.5	mg/Kg		06/13/23 12:18	06/14/23 11:01	1

Lab Sample ID: LCS 180-437812/2-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437812

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			500	537		mg/Kg		107	80 - 120
Antimony			25.0	28.2		mg/Kg		113	80 - 120
Arsenic			100	114		mg/Kg		114	80 - 120
Barium			100	105		mg/Kg		105	80 - 120
Beryllium			50.0	50.9		mg/Kg		102	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-437812/2-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	50.0	54.9		mg/Kg		110	80 - 120
Calcium	2500	2710		mg/Kg		108	80 - 120
Chromium	50.0	52.8		mg/Kg		106	80 - 120
Cobalt	50.0	52.9		mg/Kg		106	80 - 120
Copper	50.0	56.9		mg/Kg		114	80 - 120
Iron	500	528		mg/Kg		106	80 - 120
Lead	50.0	52.0		mg/Kg		104	80 - 120
Magnesium	2500	2570		mg/Kg		103	80 - 120
Manganese	50.0	51.7		mg/Kg		103	80 - 120
Nickel	50.0	53.3		mg/Kg		107	80 - 120
Potassium	2500	2690		mg/Kg		108	80 - 120
Selenium	100	113		mg/Kg		113	80 - 120
Silver	25.0	27.0		mg/Kg		108	80 - 120
Sodium	2500	2800		mg/Kg		112	80 - 120
Thallium	100	102		mg/Kg		102	80 - 120
Vanadium	50.0	55.4		mg/Kg		111	80 - 120
Zinc	25.0	28.3		mg/Kg		113	80 - 120

Lab Sample ID: LCSD 180-437812/3-A
Matrix: Solid
Analysis Batch: 438036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 437812

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	500	511		mg/Kg		102	80 - 120	5	20
Antimony	25.0	26.6		mg/Kg		106	80 - 120	6	20
Arsenic	100	104		mg/Kg		104	80 - 120	8	20
Barium	100	101		mg/Kg		101	80 - 120	4	20
Beryllium	50.0	49.2		mg/Kg		98	80 - 120	3	20
Cadmium	50.0	51.2		mg/Kg		102	80 - 120	7	20
Calcium	2500	2590		mg/Kg		103	80 - 120	5	20
Chromium	50.0	50.4		mg/Kg		101	80 - 120	5	20
Cobalt	50.0	49.9		mg/Kg		100	80 - 120	6	20
Copper	50.0	52.6		mg/Kg		105	80 - 120	8	20
Iron	500	511		mg/Kg		102	80 - 120	3	20
Lead	50.0	48.7		mg/Kg		97	80 - 120	7	20
Magnesium	2500	2490		mg/Kg		100	80 - 120	3	20
Manganese	50.0	49.5		mg/Kg		99	80 - 120	4	20
Nickel	50.0	50.1		mg/Kg		100	80 - 120	6	20
Potassium	2500	2540		mg/Kg		102	80 - 120	6	20
Selenium	100	104		mg/Kg		104	80 - 120	9	20
Silver	25.0	24.8		mg/Kg		99	80 - 120	8	20
Sodium	2500	2660		mg/Kg		106	80 - 120	5	20
Thallium	100	96.3		mg/Kg		96	80 - 120	6	20
Vanadium	50.0	52.2		mg/Kg		104	80 - 120	6	20
Zinc	25.0	26.4		mg/Kg		106	80 - 120	7	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-437884/1-A
Matrix: Solid
Analysis Batch: 437968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		06/14/23 08:45	06/14/23 13:48	1

Lab Sample ID: LCS 180-437884/2-A
Matrix: Solid
Analysis Batch: 437968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.403		mg/Kg		97	80 - 120

Lab Sample ID: 180-157818-1 MS
Matrix: Solid
Analysis Batch: 437968

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Prep Type: Total/NA
Prep Batch: 437884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.165	0.155		mg/Kg	☼	94	80 - 120

Lab Sample ID: 180-157818-1 MSD
Matrix: Solid
Analysis Batch: 437968

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Prep Type: Total/NA
Prep Batch: 437884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.171	0.157		mg/Kg	☼	92	80 - 120	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-157818-1 DU
Matrix: Solid
Analysis Batch: 437818

Client Sample ID: SSHS-IRM5A2-MSA-B22B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.0		4.3		%		8	10
Percent Solids	96.0		95.7		%		0.3	10

GC/MS VOA

Analysis Batch: 437875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 8260C	437929
MB 180-437875/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-437875/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-437875/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 437929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 437835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	3541	
MB 180-437835/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-437835/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-437835/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 437895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 8270D	437835
MB 180-437835/1-A	Method Blank	Total/NA	Solid	EPA 8270D	437835
LCS 180-437835/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	437835
LCSD 180-437835/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	437835

GC Semi VOA

Prep Batch: 437834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	3541	
MB 180-437834/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 437856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	3665A	437834
MB 180-437834/1-C	Method Blank	Total/NA	Solid	3665A	437834
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	3665A	437834
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	3665A	437834

Cleanup Batch: 437858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	3660B	437856
MB 180-437834/1-C	Method Blank	Total/NA	Solid	3660B	437856
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	3660B	437856
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	3660B	437856

Analysis Batch: 437865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 8082A	437858
MB 180-437834/1-C	Method Blank	Total/NA	Solid	EPA 8082A	437858

GC Semi VOA (Continued)

Analysis Batch: 437865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-437834/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	437858
LCSD 180-437834/3-C	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	437858

Metals

Prep Batch: 437812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	3050B	
MB 180-437812/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-437812/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 180-437812/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 437884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	7471B	
MB 180-437884/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-437884/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-157818-1 MS	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	7471B	
180-157818-1 MSD	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	7471B	

Analysis Batch: 437968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 7471B	437884
MB 180-437884/1-A	Method Blank	Total/NA	Solid	EPA 7471B	437884
LCS 180-437884/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	437884
180-157818-1 MS	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 7471B	437884
180-157818-1 MSD	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 7471B	437884

Analysis Batch: 438036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	EPA 6010C	437812
MB 180-437812/1-A	Method Blank	Total/NA	Solid	EPA 6010C	437812
LCS 180-437812/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	437812
LCSD 180-437812/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 6010C	437812

General Chemistry

Analysis Batch: 437818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157818-1	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	2540G	
180-157818-1 DU	SSHS-IRM5A2-MSA-B22B	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
Client Contact: Mr. Aron Krasnopoler	Z Miller 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656 1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-MSA-B22B	6/12/23	1430	G	S	N	N	X	X	X	X			6	

180-157818 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	6/12/23 15:00	Geosyntec		6-13-23 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157818-1

Login Number: 157818

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Sterling, Former Sperry Remington-Documentation

JOB NUMBER

180-157020-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-157020-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-157020-1

Receipt
The samples were received on 5/24/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4º C and 2.2º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-436157 was above the control limits for the following analyte: Chloroethane. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-436157 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone, and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-436157 was above criteria for the following analyte: Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate Terphenyl-d14 was above the control limits for the following sample: ISMP-LP1-1 (180-157020-1). As the surrogate recovery was high and there were no target analytes detected above the reporting limit in the sample, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample ISMP-LP1-4 (180-157020-4) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Samples ISMP-LP1-1 (180-157020-1), ISMP-LP1-3 (180-157020-3), ISMP-LP2-1 (180-157020-6), ISMP-LP2-2 (180-157020-7) and ISMP-LP2-3 (180-157020-8) had the recoveries of surrogate decachlorobiphenyl below the control limits on one or both columns. The recoveries on the other column and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The method blank (MB 180-436248/1-A) had the recovery of surrogate decachlorobiphenyl below the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The laboratory control sample (LCS 180-436248/2-A) had the recoveries of surrogate decachlorobiphenyl below the control limits on both columns. The recoveries of tetrachloro-m-xylene and aroclors 1016 and 1260 were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCV 180-436281/1) was above criteria for aroclor 1254 on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCV 180-436281/4) was above criteria for aroclor 1248 on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCVIS 180-436281/5) was above criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCVIS 180-436281/26) was above criteria for aroclor 1260 on column RTX-CLP1. As the CCV was high and aroclor 1260 was not detected in the associated samples, the results were

Job ID: 180-157020-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

reported.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-436281 (CCVIS 180-436281/26) was below criteria for surrogate decachlorobiphenyl on both columns and above criteria for surrogate tetrachloro-m-xylene on column RTX-CLP2.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: ISMP-LP2-2 (180-157020-7), ISMP-LP2-3 (180-157020-8), and ISMP-LP-DUP (180-157020-11). All analytes referencing the yttrium internal standard required dilution due to the yttrium internal standard counts being above the 70%-130% control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample ISMP-LP1-4 (180-157020-4) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method Moisture: The RPD between the original and laboratory duplicate analysis of sample ISMP-LP1-1 (180-157020-1) was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-157020-1	ISMP-LP1-1	Solid	05/23/23 14:30	05/24/23 09:40
180-157020-2	ISMP-LP1-2	Solid	05/23/23 14:40	05/24/23 09:40
180-157020-3	ISMP-LP1-3	Solid	05/23/23 14:50	05/24/23 09:40
180-157020-4	ISMP-LP1-4	Solid	05/23/23 15:00	05/24/23 09:40
180-157020-5	ISMP-LP1-5	Solid	05/23/23 15:20	05/24/23 09:40
180-157020-6	ISMP-LP2-1	Solid	05/23/23 13:30	05/24/23 09:40
180-157020-7	ISMP-LP2-2	Solid	05/23/23 13:40	05/24/23 09:40
180-157020-8	ISMP-LP2-3	Solid	05/23/23 13:50	05/24/23 09:40
180-157020-9	ISMP-LP2-4	Solid	05/23/23 14:00	05/24/23 09:40
180-157020-10	ISMP-LP2-5	Solid	05/23/23 14:10	05/24/23 09:40
180-157020-11	ISMP-LP-DUP	Solid	05/23/23 00:00	05/24/23 09:40

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-1
Lab Sample ID: 180-157020-1
Date Collected: 05/23/23 14:30
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP1-1
Lab Sample ID: 180-157020-1
Date Collected: 05/23/23 14:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2235 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 12:51	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 20:38	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 12:20	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.69 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.69 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 18:55	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1629 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 13:14	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 12:41	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 12:38	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.66 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.66 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.72 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3
Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3
Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3304 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 13:37	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 13:02	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 13:32	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.72 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:26	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3
Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.72 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:09	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP1-4
Lab Sample ID: 180-157020-4
Date Collected: 05/23/23 15:00
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP1-4
Lab Sample ID: 180-157020-4
Date Collected: 05/23/23 15:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2608 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 13:59	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 11:12	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 11:26	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.86 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 18:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.86 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 18:24	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:10	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP1-5
Lab Sample ID: 180-157020-5
Date Collected: 05/23/23 15:20
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP1-5
Lab Sample ID: 180-157020-5
Date Collected: 05/23/23 15:20
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6678 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 14:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 13:24	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 13:50	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.62 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:13	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3079 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 14:45	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	437058	06/06/23 10:33	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 14:08	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.77 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.77 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:14	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7
Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7
Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8865 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 15:07	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 14:07	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 14:26	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.60 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:42	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7
Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.60 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			437755	06/12/23 19:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:19	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP2-3
Lab Sample ID: 180-157020-8
Date Collected: 05/23/23 13:50
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP2-3
Lab Sample ID: 180-157020-8
Date Collected: 05/23/23 13:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4627 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 15:30	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 14:29	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 14:44	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.67 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:48	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		2			437755	06/12/23 19:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:20	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9
Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9
Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3379 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 15:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	437058	06/06/23 10:55	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 15:02	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.63 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:53	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.63 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:31	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.70 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:21	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10
Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10
Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.0001 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 16:15	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10
Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 15:12	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 15:20	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.67 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 19:58	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437755	06/12/23 19:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:22	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11
Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			436662	05/31/23 15:54	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11
Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.8929 g	5 mL	436209	05/25/23 07:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	436157	05/25/23 16:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	436886	06/02/23 16:14	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	436965	06/05/23 15:34	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	436248	05/25/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	436275	05/26/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	436276	05/26/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	436281	05/26/23 15:38	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.64 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			437492	06/08/23 20:03	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11
Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.64 g	50 mL	436289	05/26/23 07:23	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		2			437755	06/12/23 19:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	437069	06/06/23 12:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			437295	06/07/23 14:23	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JSM = Joseph Moore
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello

Batch Type: Analysis
- AAS = Arianna Swick
- ELS = Edwin Shireman
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-1
Lab Sample ID: 180-157020-1
Date Collected: 05/23/23 14:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 96.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Benzene	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Bromomethane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Carbon disulfide	ND		4.9	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Chlorodibromomethane	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Chloroethane	ND	*1	4.9	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Chloromethane	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2-Dibromoethane	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,4-Dioxane	ND		990	75	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Methylene Chloride	ND		4.9	4.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Methyl tert-butyl ether	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Styrene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Toluene	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2,3-Trichlorobenzene	ND		9.9	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1

Client Sample ID: ISMP-LP1-1
Lab Sample ID: 180-157020-1
Date Collected: 05/23/23 14:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 96.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Vinyl chloride	ND		4.9	3.6	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	05/25/23 07:58	05/25/23 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*05/25/23 07:58*	*05/25/23 12:51*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*05/25/23 07:58*	*05/25/23 12:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*05/25/23 07:58*	*05/25/23 12:51*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*05/25/23 07:58*	*05/25/23 12:51*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Acenaphthylene	ND		69	15	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Acetophenone	ND		690	120	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Anthracene	ND		69	18	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Atrazine	ND		690	150	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Benzaldehyde	ND		690	43	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Caprolactam	ND		1800	220	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Carbazole	ND		69	16	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Chrysene	ND		69	38	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Dibenzofuran	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1

Client Sample ID: ISMP-LP1-1
Lab Sample ID: 180-157020-1
Date Collected: 05/23/23 14:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 96.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Fluoranthene	ND		69	18	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Fluorene	ND		69	14	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Hexachloroethane	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Isophorone	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2-Methylphenol	ND		340	99	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Naphthalene	ND		69	13	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Nitrobenzene	ND		690	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Phenanthrene	ND		69	18	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Phenol	ND		340	100	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
Pyrene	**18**	**J**	69	16	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	06/02/23 16:14	06/05/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*44 - 105*	*06/02/23 16:14*	*06/05/23 20:38*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*06/02/23 16:14*	*06/05/23 20:38*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*06/02/23 16:14*	*06/05/23 20:38*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*06/02/23 16:14*	*06/05/23 20:38*	*1*
Terphenyl-d14 (Surr)	*119*	*S1+*	*39 - 105*	*06/02/23 16:14*	*06/05/23 20:38*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*06/02/23 16:14*	*06/05/23 20:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1221	ND		17	6.1	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1232	ND		17	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1242	ND		17	2.5	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1248	ND		17	4.1	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1254	ND		17	5.2	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1260	ND		17	4.9	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1

Client Sample ID: ISMP-LP1-1
Lab Sample ID: 180-157020-1
Date Collected: 05/23/23 14:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 96.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.0	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1
PCB-1268	ND		17	2.3	ug/Kg	☼	05/25/23 16:34	05/26/23 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 12:20*	*1*
DCB Decachlorobiphenyl (Surr)	*62*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 12:20*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*05/25/23 16:34*	*05/26/23 12:20*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*05/25/23 16:34*	*05/26/23 12:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5000**		15	3.7	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Antimony	ND		0.75	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Arsenic	**3.8**		0.75	0.47	mg/Kg	☼	05/26/23 07:23	06/12/23 18:55	1
Barium	**26**		15	2.7	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Beryllium	**0.22**	**J**	0.30	0.082	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Cadmium	**0.38**		0.37	0.055	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Calcium	**19000**		370	48	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Chromium	**6.4**		0.37	0.34	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Cobalt	**4.9**		3.7	0.53	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Copper	**16**		1.9	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Iron	**12000**		7.5	7.3	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Lead	**8.2**		0.75	0.65	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Magnesium	**2900**		370	41	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Manganese	**300**		1.1	0.21	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Nickel	**13**		3.0	0.38	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Potassium	**400**		370	64	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Selenium	ND		0.75	0.34	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Silver	ND		0.37	0.078	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Sodium	**39**	**J**	370	38	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Thallium	ND		1.5	0.21	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Vanadium	**8.8**		3.7	0.59	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1
Zinc	**170**		1.5	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.031	0.020	mg/Kg	☼	06/06/23 12:15	06/07/23 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.1**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**96.9**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Benzene	ND		5.3	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Chloroethane	ND	*1	5.3	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Styrene	ND		5.3	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Toluene	ND		5.3	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1

Client Sample ID: ISMP-LP1-2
Date Collected: 05/23/23 14:40
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-2
Matrix: Solid
Percent Solids: 92.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*05/25/23 07:58*	*05/25/23 13:14*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*05/25/23 07:58*	*05/25/23 13:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*05/25/23 07:58*	*05/25/23 13:14*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*05/25/23 07:58*	*05/25/23 13:14*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Acenaphthylene	ND		72	16	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Acetophenone	ND		720	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Anthracene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Atrazine	ND		720	160	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Benzaldehyde	ND		720	45	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Benzo[a]anthracene	ND		72	33	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Benzo[g,h,i]perylene	ND		72	16	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Carbazole	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Chrysene	ND		72	40	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Dibenzofuran	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2
Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		720	110	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Fluoranthene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Fluorene	ND		72	14	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Hexachloroethane	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Isophorone	ND		360	140	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2-Methylphenol	ND		360	100	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Naphthalene	ND		72	14	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Nitrobenzene	ND		720	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Phenanthrene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Phenol	ND		360	110	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
Pyrene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	06/02/23 16:14	06/05/23 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*06/02/23 16:14*	*06/05/23 12:41*	*1*
2-Fluorophenol (Surr)	*49*		*48 - 105*	*06/02/23 16:14*	*06/05/23 12:41*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 105*	*06/02/23 16:14*	*06/05/23 12:41*	*1*
Phenol-d5 (Surr)	*55*		*46 - 105*	*06/02/23 16:14*	*06/05/23 12:41*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*06/02/23 16:14*	*06/05/23 12:41*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*06/02/23 16:14*	*06/05/23 12:41*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1221	ND		18	6.4	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1232	ND		18	4.4	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1242	ND		18	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1248	ND		18	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1254	ND		18	5.4	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1260	ND		18	5.1	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1262	ND		18	6.3	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1
PCB-1268	ND		18	2.4	ug/Kg	☼	05/25/23 16:34	05/26/23 12:38	1

Client Sample ID: ISMP-LP1-2
Lab Sample ID: 180-157020-2

Date Collected: 05/23/23 14:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*05/25/23 16:34*	*05/26/23 12:38*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*05/25/23 16:34*	*05/26/23 12:38*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*05/25/23 16:34*	*05/26/23 12:38*	*1*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*05/25/23 16:34*	*05/26/23 12:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		16	4.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Antimony	ND		0.82	0.25	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Arsenic	**6.4**		0.82	0.52	mg/Kg	☼	05/26/23 07:23	06/12/23 19:00	1
Barium	**40**		16	2.9	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Beryllium	**0.32**	**J**	0.33	0.090	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Cadmium	**0.53**		0.41	0.060	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Calcium	**7600**		410	53	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Chromium	**9.5**		0.41	0.37	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Cobalt	**7.0**		4.1	0.58	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Copper	**28**		2.1	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Iron	**18000**		8.2	8.0	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Lead	**16**		0.82	0.72	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Magnesium	**3500**		410	45	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Manganese	**410**		1.2	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Nickel	**18**		3.3	0.42	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Potassium	**470**		410	70	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Selenium	ND		0.82	0.38	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Silver	ND		0.41	0.086	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Sodium	ND		410	42	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Thallium	ND		1.6	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Vanadium	**14**		4.1	0.65	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1
Zinc	**71**		1.6	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.030	0.019	mg/Kg	☼	06/06/23 12:15	06/07/23 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.0**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**92.0**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3

Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Benzene	ND		5.1	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3
Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Chloroethane	ND	*1	5.1	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Styrene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Toluene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:37	1

Client Sample ID: ISMP-LP1-3
Date Collected: 05/23/23 14:50
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-3
Matrix: Solid
Percent Solids: 92.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*05/25/23 07:58*	*05/25/23 13:37*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*05/25/23 07:58*	*05/25/23 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*05/25/23 07:58*	*05/25/23 13:37*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*05/25/23 07:58*	*05/25/23 13:37*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	20	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Acenaphthylene	ND		72	16	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Acetophenone	ND		720	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Anthracene	ND		72	18	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Atrazine	ND		720	160	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Benzaldehyde	ND		720	44	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Carbazole	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Chrysene	ND		72	39	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Fluoranthene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Fluorene	ND		72	14	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3
Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Hexachloroethane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Indeno[1,2,3-cd]pyrene	ND		72	35	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Naphthalene	ND		72	14	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Nitrobenzene	ND		720	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Phenanthrene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
Pyrene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*06/02/23 16:14*	*06/05/23 13:02*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*06/02/23 16:14*	*06/05/23 13:02*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*	*06/02/23 16:14*	*06/05/23 13:02*	*1*
Phenol-d5 (Surr)	*55*		*46 - 105*	*06/02/23 16:14*	*06/05/23 13:02*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*06/02/23 16:14*	*06/05/23 13:02*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*06/02/23 16:14*	*06/05/23 13:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1221	ND		18	6.3	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1232	ND		18	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1242	ND		18	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1248	ND		18	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1254	ND		18	5.3	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1260	ND		18	5.0	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1262	ND		18	6.2	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1
PCB-1268	ND		18	2.4	ug/Kg	☼	05/25/23 16:34	05/26/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 13:32*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*05/25/23 16:34*	*05/26/23 13:32*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*05/25/23 16:34*	*05/26/23 13:32*	*1*

Client Sample ID: ISMP-LP1-3
Lab Sample ID: 180-157020-3
Date Collected: 05/23/23 14:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	109		55 - 135	05/25/23 16:34	05/26/23 13:32	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6800		15	3.7	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Antimony	ND		0.75	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Arsenic	7.5		0.75	0.47	mg/Kg	☼	05/26/23 07:23	06/12/23 19:05	1
Barium	48		15	2.7	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Beryllium	0.35		0.30	0.082	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Cadmium	1.2		0.38	0.055	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Calcium	2100		380	49	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Chromium	9.5		0.38	0.34	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Cobalt	7.1		3.8	0.53	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Copper	23		1.9	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Iron	18000		7.5	7.3	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Lead	18		0.75	0.65	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Magnesium	2500		380	41	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Manganese	410		1.1	0.21	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Nickel	22		3.0	0.38	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Potassium	520		380	64	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Selenium	ND		0.75	0.35	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Silver	ND		0.38	0.078	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Sodium	ND		380	38	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Thallium	0.21	J	1.5	0.21	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Vanadium	15		3.8	0.59	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1
Zinc	280		1.5	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J	0.035	0.022	mg/Kg	☼	06/06/23 12:15	06/07/23 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.5		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	92.5		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP1-4
Lab Sample ID: 180-157020-4
Date Collected: 05/23/23 15:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Benzene	ND		5.0	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-4
Lab Sample ID: 180-157020-4
Date Collected: 05/23/23 15:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Chloroethane	ND	*1	5.0	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Dichlorobromomethane	ND		5.0	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Methylene Chloride	ND		5.0	4.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Styrene	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Toluene	ND		5.0	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	05/25/23 07:58	05/25/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*05/25/23 07:58*	*05/25/23 13:59*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*05/25/23 07:58*	*05/25/23 13:59*	*1*

Client Sample ID: ISMP-LP1-4
Date Collected: 05/23/23 15:00
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-4
Matrix: Solid
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*05/25/23 07:58*	*05/25/23 13:59*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*05/25/23 07:58*	*05/25/23 13:59*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Acenaphthylene	ND		71	15	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Acetophenone	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Anthracene	ND		71	18	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Atrazine	ND	F1	710	150	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Benzaldehyde	ND	F1	710	44	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Caprolactam	ND	F1	1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Carbazole	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4-Chloroaniline	ND	F1	350	92	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Chrysene	ND		71	39	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,4-Dimethylphenol	ND	F1	350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Di-n-butyl phthalate	ND	F1	350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4,6-Dinitro-2-methylphenol	ND	F1	1800	610	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,4-Dinitrophenol	ND	F1	3500	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Fluoranthene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Fluorene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Hexachlorocyclopentadiene	ND	F1	350	36	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1

Client Sample ID: ISMP-LP1-4
Date Collected: 05/23/23 15:00
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-4
Matrix: Solid
Percent Solids: 94.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Naphthalene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4-Nitroaniline	ND	F1	1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Nitrobenzene	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Pentachlorophenol	ND	F1	1800	570	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Phenanthrene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
Pyrene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*06/02/23 16:14*	*06/05/23 11:12*	*1*
2-Fluorophenol (Surr)	*56*		*48 - 105*	*06/02/23 16:14*	*06/05/23 11:12*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 105*	*06/02/23 16:14*	*06/05/23 11:12*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*06/02/23 16:14*	*06/05/23 11:12*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*06/02/23 16:14*	*06/05/23 11:12*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*06/02/23 16:14*	*06/05/23 11:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1221	ND		17	6.2	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1232	ND		17	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1242	ND		17	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1248	ND		17	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1254	ND		17	5.2	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1260	ND		17	5.0	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1262	ND		17	6.1	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1
PCB-1268	ND		17	2.3	ug/Kg	☼	05/25/23 16:34	05/26/23 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*05/25/23 16:34*	*05/26/23 11:26*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*05/25/23 16:34*	*05/26/23 11:26*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*05/25/23 16:34*	*05/26/23 11:26*	*1*
Tetrachloro-m-xylene (Surr)	*129*		*55 - 135*	*05/25/23 16:34*	*05/26/23 11:26*	*1*

Client Sample ID: ISMP-LP1-4
Lab Sample ID: 180-157020-4

Date Collected: 05/23/23 15:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		12	3.1	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Antimony	ND	F1	0.62	0.19	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Arsenic	**4.7**		0.62	0.39	mg/Kg	☼	05/26/23 07:23	06/12/23 18:24	1
Barium	**40**		12	2.2	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Beryllium	**0.27**		0.25	0.067	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Cadmium	**0.46**		0.31	0.045	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Calcium	**13000**	**F2**	310	40	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Chromium	**8.7**		0.31	0.28	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Cobalt	**6.2**		3.1	0.43	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Copper	**23**		1.5	0.93	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Iron	**15000**		6.2	6.0	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Lead	**21**	**F2**	0.62	0.54	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Magnesium	**4400**	**F1**	310	34	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Manganese	**360**		0.93	0.17	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Nickel	**17**		2.5	0.31	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Potassium	**410**		310	53	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Selenium	ND		0.62	0.28	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Silver	ND		0.31	0.064	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Sodium	**34**	**J**	310	32	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Thallium	ND		1.2	0.18	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Vanadium	**12**		3.1	0.49	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1
Zinc	**56**	**F1**	1.2	0.90	mg/Kg	☼	05/26/23 07:23	06/08/23 18:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.030	0.020	mg/Kg	☼	06/06/23 12:15	06/07/23 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.9**		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	**94.1**		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP1-5
Lab Sample ID: 180-157020-5

Date Collected: 05/23/23 15:20
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Benzene	ND		4.7	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Bromomethane	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Chloroethane	ND	*1	4.7	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Chloroform	ND		4.7	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1

Client Sample ID: ISMP-LP1-5
Date Collected: 05/23/23 15:20
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-5
Matrix: Solid
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Cyclohexane	ND		4.7	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Dichlorodifluoromethane	ND		4.7	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2-Dichloroethene, Total	ND		9.4	3.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2-Dichloropropane	ND		4.7	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,4-Dioxane	ND		940	71	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Ethylbenzene	ND		4.7	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Isopropylbenzene	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Methyl acetate	ND		24	6.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Methylene Chloride	ND		4.7	4.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Styrene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Toluene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
trans-1,2-Dichloroethene	ND		4.7	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2,3-Trichlorobenzene	ND		9.4	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,1,2-Trichloroethane	ND		4.7	0.93	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1
Xylenes, Total	ND		9.4	6.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*05/25/23 07:58*	*05/25/23 14:22*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*05/25/23 07:58*	*05/25/23 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*05/25/23 07:58*	*05/25/23 14:22*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*05/25/23 07:58*	*05/25/23 14:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP1-5
Lab Sample ID: 180-157020-5
Date Collected: 05/23/23 15:20
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Acenaphthylene	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Acetophenone	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Anthracene	ND		71	18	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Atrazine	ND		710	160	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Benzaldehyde	ND		710	44	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Carbazole	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Chrysene	ND		71	39	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Dibenz(a,h)anthracene	ND		71	46	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Fluoranthene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Fluorene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Hexachloroethane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1

Client Sample ID: ISMP-LP1-5
Date Collected: 05/23/23 15:20
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-5
Matrix: Solid
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Naphthalene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Nitrobenzene	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Phenanthrene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
Pyrene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*06/02/23 16:14*	*06/05/23 13:24*	*1*
2-Fluorophenol (Surr)	*50*		*48 - 105*	*06/02/23 16:14*	*06/05/23 13:24*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 105*	*06/02/23 16:14*	*06/05/23 13:24*	*1*
Phenol-d5 (Surr)	*54*		*46 - 105*	*06/02/23 16:14*	*06/05/23 13:24*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*06/02/23 16:14*	*06/05/23 13:24*	*1*
2,4,6-Tribromophenol (Surr)	*34*		*34 - 108*	*06/02/23 16:14*	*06/05/23 13:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1221	ND		17	6.2	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1232	ND		17	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1242	ND		17	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1248	ND		17	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1254	ND		17	5.2	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1260	ND		17	5.0	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1262	ND		17	6.1	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1
PCB-1268	ND		17	2.3	ug/Kg	☼	05/25/23 16:34	05/26/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*05/25/23 16:34*	*05/26/23 13:50*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*05/25/23 16:34*	*05/26/23 13:50*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*05/25/23 16:34*	*05/26/23 13:50*	*1*
Tetrachloro-m-xylene (Surr)	*123*		*55 - 135*	*05/25/23 16:34*	*05/26/23 13:50*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		17	4.3	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Antimony	ND		0.86	0.26	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1

Client Sample ID: ISMP-LP1-5
Lab Sample ID: 180-157020-5
Date Collected: 05/23/23 15:20
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		0.86	0.54	mg/Kg	☼	05/26/23 07:23	06/12/23 19:10	1
Barium	59		17	3.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Beryllium	0.35		0.34	0.094	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Cadmium	0.55		0.43	0.063	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Calcium	28000		430	56	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Chromium	12		0.43	0.39	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Cobalt	8.3		4.3	0.61	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Copper	24		2.2	1.3	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Iron	17000		8.6	8.4	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Lead	14		0.86	0.75	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Magnesium	5800		430	47	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Manganese	410		1.3	0.24	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Nickel	21		3.4	0.43	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Potassium	650		430	73	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Selenium	ND		0.86	0.40	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Silver	ND		0.43	0.089	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Sodium	58	J	430	44	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Thallium	ND		1.7	0.24	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Vanadium	14		4.3	0.68	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1
Zinc	68		1.7	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	J	0.035	0.023	mg/Kg	☼	06/06/23 12:15	06/07/23 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.3		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	93.7		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Benzene	ND		5.1	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Chloroethane	ND	*1	5.1	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Styrene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Toluene	ND		5.1	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	05/25/23 07:58	05/25/23 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*05/25/23 07:58*	*05/25/23 14:45*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*05/25/23 07:58*	*05/25/23 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*05/25/23 07:58*	*05/25/23 14:45*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*05/25/23 07:58*	*05/25/23 14:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6
Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		71	15	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Acetophenone	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Anthracene	ND		71	18	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Atrazine	ND		710	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Benzaldehyde	ND		710	44	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Carbazole	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Chrysene	ND		71	39	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Fluoranthene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Fluorene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Hexachloroethane	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1

Client Sample ID: ISMP-LP2-1
Date Collected: 05/23/23 13:30
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-6
Matrix: Solid
Percent Solids: 92.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Nitrobenzene	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Phenanthrene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
Pyrene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*06/02/23 16:14*	*06/06/23 10:33*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*06/02/23 16:14*	*06/06/23 10:33*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*06/02/23 16:14*	*06/06/23 10:33*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*06/02/23 16:14*	*06/06/23 10:33*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*06/02/23 16:14*	*06/06/23 10:33*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*06/02/23 16:14*	*06/06/23 10:33*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1221	ND		18	6.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1232	ND		18	4.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1242	ND		18	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1248	ND		18	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1254	ND		18	5.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1260	ND		18	5.1	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1262	ND		18	6.3	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1
PCB-1268	ND		18	2.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 14:08*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*05/25/23 16:34*	*05/26/23 14:08*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*05/25/23 16:34*	*05/26/23 14:08*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*05/25/23 16:34*	*05/26/23 14:08*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		14	3.5	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Antimony	ND		0.71	0.21	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Arsenic	**6.2**		0.71	0.44	mg/Kg	☼	05/26/23 07:23	06/12/23 19:16	1

Client Sample ID: ISMP-LP2-1
Lab Sample ID: 180-157020-6

Date Collected: 05/23/23 13:30
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 92.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	58		14	2.5	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Beryllium	0.36		0.28	0.077	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Cadmium	0.46		0.35	0.052	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Calcium	7900		350	46	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Chromium	10		0.35	0.32	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Cobalt	7.5		3.5	0.50	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Copper	23		1.8	1.1	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Iron	16000		7.1	6.9	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Lead	20		0.71	0.61	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Magnesium	3800		350	39	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Manganese	460		1.1	0.20	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Nickel	19		2.8	0.36	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Potassium	490		350	60	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Selenium	ND		0.71	0.33	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Silver	ND		0.35	0.073	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Sodium	ND		350	36	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Thallium	ND		1.4	0.20	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Vanadium	14		3.5	0.56	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1
Zinc	61		1.4	1.0	mg/Kg	☼	05/26/23 07:23	06/08/23 19:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.035	0.023	mg/Kg	☼	06/06/23 12:15	06/07/23 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.9		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	92.1		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7

Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 89.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Benzene	ND		4.7	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Bromomethane	ND		4.7	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Chlorodibromomethane	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Chloroethane	ND	*1	4.7	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Chloroform	ND		4.7	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7
Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 89.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		4.7	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2-Dibromo-3-Chloropropane	ND		4.7	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Dichlorodifluoromethane	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2-Dichloropropane	ND		4.7	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,4-Dioxane	ND		950	72	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Ethylbenzene	ND		4.7	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Isopropylbenzene	ND		4.7	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Methylene Chloride	ND		4.7	4.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Styrene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Toluene	ND		4.7	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
trans-1,2-Dichloroethene	ND		4.7	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2,3-Trichlorobenzene	ND		9.5	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,1,2-Trichloroethane	ND		4.7	0.94	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1
Xylenes, Total	ND		9.5	6.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*05/25/23 07:58*	*05/25/23 15:07*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*05/25/23 07:58*	*05/25/23 15:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*05/25/23 07:58*	*05/25/23 15:07*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*05/25/23 07:58*	*05/25/23 15:07*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Acenaphthylene	ND		74	16	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7
Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 89.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		740	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Anthracene	ND		74	19	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Atrazine	ND		740	160	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Benzaldehyde	ND		740	46	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Caprolactam	ND		1900	240	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Carbazole	ND		74	17	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Chrysene	ND		74	41	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Dibenzofuran	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,4-Dichlorophenol	ND		74	29	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Fluoranthene	ND		74	20	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Fluorene	ND		74	15	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Hexachlorobenzene	ND		74	27	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Hexachloroethane	ND		370	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Isophorone	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2-Methylphenol	ND		370	110	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Naphthalene	ND		74	14	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1

Client Sample ID: ISMP-LP2-2
Date Collected: 05/23/23 13:40
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-7
Matrix: Solid
Percent Solids: 89.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Nitrobenzene	ND		740	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Phenanthrene	ND		74	20	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Phenol	ND		370	110	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
Pyrene	ND		74	18	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*06/02/23 16:14*	*06/05/23 14:07*	*1*
2-Fluorophenol (Surr)	*53*		*48 - 105*	*06/02/23 16:14*	*06/05/23 14:07*	*1*
Nitrobenzene-d5 (Surr)	*53*		*46 - 105*	*06/02/23 16:14*	*06/05/23 14:07*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*06/02/23 16:14*	*06/05/23 14:07*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*06/02/23 16:14*	*06/05/23 14:07*	*1*
2,4,6-Tribromophenol (Surr)	*38*		*34 - 108*	*06/02/23 16:14*	*06/05/23 14:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1221	ND		18	6.5	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1232	ND		18	4.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1242	ND		18	2.7	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1248	ND		18	4.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1254	ND		18	5.5	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1260	ND		18	5.2	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1262	ND		18	6.4	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1
PCB-1268	ND		18	2.5	ug/Kg	☼	05/25/23 16:34	05/26/23 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 14:26*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*63 - 138*	*05/25/23 16:34*	*05/26/23 14:26*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*05/25/23 16:34*	*05/26/23 14:26*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*05/25/23 16:34*	*05/26/23 14:26*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		93	23	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Antimony	ND		4.7	1.4	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Arsenic	**11**		4.7	2.9	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Barium	**100**		93	17	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5

Client Sample ID: ISMP-LP2-2
Lab Sample ID: 180-157020-7
Date Collected: 05/23/23 13:40
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 89.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.56	J	1.9	0.51	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Cadmium	0.65	J	2.3	0.34	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Calcium	2300		2300	300	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Chromium	21		2.3	2.1	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Cobalt	8.2		4.7	0.66	mg/Kg	☼	05/26/23 07:23	06/08/23 19:42	1
Copper	43		12	7.0	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Iron	27000		47	45	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Lead	24		0.93	0.81	mg/Kg	☼	05/26/23 07:23	06/08/23 19:42	1
Magnesium	2800		2300	260	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Manganese	1000		7.0	1.3	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Nickel	23		3.7	0.47	mg/Kg	☼	05/26/23 07:23	06/08/23 19:42	1
Potassium	740	J	2300	400	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Selenium	ND		4.7	2.1	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Silver	ND		0.47	0.097	mg/Kg	☼	05/26/23 07:23	06/08/23 19:42	1
Sodium	ND		2300	240	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Thallium	0.33	J	1.9	0.26	mg/Kg	☼	05/26/23 07:23	06/08/23 19:42	1
Vanadium	21	J	23	3.7	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5
Zinc	85		9.3	6.7	mg/Kg	☼	05/26/23 07:23	06/12/23 19:21	5

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.036	0.023	mg/Kg	☼	06/06/23 12:15	06/07/23 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.5		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	89.5		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP2-3
Lab Sample ID: 180-157020-8
Date Collected: 05/23/23 13:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Benzene	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Bromoform	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Chloroethane	ND	*1	4.9	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
cis-1,3-Dichloropropene	ND		4.9	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1

Client Sample ID: ISMP-LP2-3
Lab Sample ID: 180-157020-8
Date Collected: 05/23/23 13:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,4-Dioxane	ND		970	74	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Styrene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Toluene	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*05/25/23 07:58*	*05/25/23 15:30*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*05/25/23 07:58*	*05/25/23 15:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*05/25/23 07:58*	*05/25/23 15:30*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*05/25/23 07:58*	*05/25/23 15:30*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Acenaphthylene	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Acetophenone	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-3
Lab Sample ID: 180-157020-8
Date Collected: 05/23/23 13:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		71	18	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Atrazine	ND		710	160	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Benzaldehyde	ND		710	44	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Carbazole	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Chrysene	ND		71	39	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Fluoranthene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Fluorene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Hexachloroethane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Naphthalene	ND		71	14	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1

Client Sample ID: ISMP-LP2-3
Date Collected: 05/23/23 13:50
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-8
Matrix: Solid
Percent Solids: 94.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	90	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Nitrobenzene	ND		710	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Phenanthrene	ND		71	19	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
Pyrene	ND		71	17	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*06/02/23 16:14*	*06/05/23 14:29*	*1*
2-Fluorophenol (Surr)	*54*		*48 - 105*	*06/02/23 16:14*	*06/05/23 14:29*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*06/02/23 16:14*	*06/05/23 14:29*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*06/02/23 16:14*	*06/05/23 14:29*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*06/02/23 16:14*	*06/05/23 14:29*	*1*
2,4,6-Tribromophenol (Surr)	*42*		*34 - 108*	*06/02/23 16:14*	*06/05/23 14:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1221	ND		17	6.2	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1232	ND		17	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1242	ND		17	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1248	ND		17	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1254	ND		17	5.2	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1260	ND		17	5.0	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1262	ND		17	6.1	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1
PCB-1268	ND		17	2.3	ug/Kg	☼	05/25/23 16:34	05/26/23 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 14:44*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*63 - 138*	*05/25/23 16:34*	*05/26/23 14:44*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*05/25/23 16:34*	*05/26/23 14:44*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*05/25/23 16:34*	*05/26/23 14:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6100**		16	4.0	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Antimony	ND		1.6	0.48	mg/Kg	☼	05/26/23 07:23	06/12/23 19:26	2
Arsenic	**4.7**		1.6	0.99	mg/Kg	☼	05/26/23 07:23	06/12/23 19:26	2
Barium	**25**		16	2.8	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Beryllium	**0.25**	**J**	0.32	0.086	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1

Client Sample ID: ISMP-LP2-3
Lab Sample ID: 180-157020-8
Date Collected: 05/23/23 13:50
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.41	J	0.79	0.12	mg/Kg	☼	05/26/23 07:23	06/12/23 19:26	2
Calcium	570		400	51	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Chromium	7.5		0.40	0.36	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Cobalt	5.7		4.0	0.56	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Copper	20		2.0	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Iron	13000		7.9	7.7	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Lead	9.4		0.79	0.69	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Magnesium	1600		400	44	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Manganese	310		1.2	0.22	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Nickel	14		3.2	0.40	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Potassium	260	J	400	67	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Selenium	ND		1.6	0.73	mg/Kg	☼	05/26/23 07:23	06/12/23 19:26	2
Silver	ND		0.40	0.082	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Sodium	ND		400	41	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Thallium	ND		1.6	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Vanadium	9.9		4.0	0.63	mg/Kg	☼	05/26/23 07:23	06/08/23 19:48	1
Zinc	55		3.2	2.3	mg/Kg	☼	05/26/23 07:23	06/12/23 19:26	2

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	J	0.034	0.022	mg/Kg	☼	06/06/23 12:15	06/07/23 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.8		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	94.2		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9
Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Benzene	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Bromomethane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Carbon disulfide	ND		4.9	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Chlorodibromomethane	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Chloroethane	ND	*1	4.9	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Chloromethane	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1

Client Sample ID: ISMP-LP2-4
Date Collected: 05/23/23 14:00
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-9
Matrix: Solid
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,4-Dioxane	ND		990	75	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Methylene Chloride	ND		4.9	4.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Methyl tert-butyl ether	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Styrene	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Toluene	ND		4.9	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2,3-Trichlorobenzene	ND		9.9	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,1,1-Trichloroethane	ND		4.9	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Trichloroethene	ND		4.9	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Vinyl chloride	ND		4.9	3.6	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	05/25/23 07:58	05/25/23 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*05/25/23 07:58*	*05/25/23 15:53*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*05/25/23 07:58*	*05/25/23 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*05/25/23 07:58*	*05/25/23 15:53*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*05/25/23 07:58*	*05/25/23 15:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Acenaphthylene	ND		69	15	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Acetophenone	ND		690	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Anthracene	ND		69	18	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9
Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		690	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Benzaldehyde	ND		690	43	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Caprolactam	ND		1800	220	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Carbazole	ND		69	16	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Chrysene	ND		69	38	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Dibenzofuran	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Fluoranthene	ND		69	18	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Fluorene	ND		69	14	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Hexachloroethane	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Isophorone	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2-Methylphenol	ND		340	99	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Naphthalene	ND		69	13	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1

Client Sample ID: ISMP-LP2-4
Date Collected: 05/23/23 14:00
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-9
Matrix: Solid
Percent Solids: 94.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Nitrobenzene	ND		690	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Phenanthrene	ND		69	19	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Phenol	ND		340	100	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
Pyrene	ND		69	16	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	06/02/23 16:14	06/06/23 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*06/02/23 16:14*	*06/06/23 10:55*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*06/02/23 16:14*	*06/06/23 10:55*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*06/02/23 16:14*	*06/06/23 10:55*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*06/02/23 16:14*	*06/06/23 10:55*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*06/02/23 16:14*	*06/06/23 10:55*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*34 - 108*	*06/02/23 16:14*	*06/06/23 10:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1221	ND		17	6.1	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1232	ND		17	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1242	ND		17	2.5	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1248	ND		17	4.1	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1254	ND		17	5.1	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1260	ND		17	4.9	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1262	ND		17	6.0	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1
PCB-1268	ND		17	2.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:02*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:02*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:02*	*1*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		17	4.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Antimony	ND		0.84	0.25	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Arsenic	**6.7**		0.84	0.53	mg/Kg	☼	05/26/23 07:23	06/12/23 19:31	1
Barium	**59**		17	3.0	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Beryllium	**0.42**		0.34	0.091	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Cadmium	**0.54**		0.42	0.062	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1

Client Sample ID: ISMP-LP2-4
Lab Sample ID: 180-157020-9

Date Collected: 05/23/23 14:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 94.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	18000		420	54	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Chromium	13		0.42	0.38	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Cobalt	8.0		4.2	0.59	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Copper	29		2.1	1.3	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Iron	19000		8.4	8.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Lead	13		0.84	0.73	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Magnesium	5400		420	46	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Manganese	370		1.3	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Nickel	22		3.4	0.42	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Potassium	560		420	71	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Selenium	ND		0.84	0.39	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Silver	ND		0.42	0.087	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Sodium	49	J	420	43	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Thallium	0.39	J	1.7	0.24	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Vanadium	17		4.2	0.66	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1
Zinc	66		1.7	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J	0.030	0.019	mg/Kg	☼	06/06/23 12:15	06/07/23 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.3		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	94.7		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10

Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	3.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Benzene	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Bromoform	ND		4.5	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Bromomethane	ND		4.5	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
2-Butanone (MEK)	ND		22	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Carbon disulfide	ND		4.5	3.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Carbon tetrachloride	ND		4.5	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Chlorobenzene	ND		4.5	1.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Chlorobromomethane	ND		4.5	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Chlorodibromomethane	ND		4.5	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Chloroethane	ND	*1	4.5	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Chloroform	ND		4.5	3.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Chloromethane	ND		4.5	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
cis-1,2-Dichloroethene	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
cis-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Cyclohexane	ND		4.5	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2-Dibromoethane	ND		4.5	1.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1

Client Sample ID: ISMP-LP2-5
Date Collected: 05/23/23 14:10
Date Received: 05/24/23 09:40

Lab Sample ID: 180-157020-10
Matrix: Solid
Percent Solids: 93.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		4.5	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,3-Dichlorobenzene	ND		4.5	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,4-Dichlorobenzene	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Dichlorobromomethane	ND		4.5	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Dichlorodifluoromethane	ND		4.5	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,1-Dichloroethane	ND		4.5	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2-Dichloroethane	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,1-Dichloroethene	ND		4.5	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2-Dichloroethene, Total	ND		8.9	3.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2-Dichloropropane	ND		4.5	1.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,4-Dioxane	ND		890	68	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Ethylbenzene	ND		4.5	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
2-Hexanone	ND		22	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Isopropylbenzene	ND		4.5	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Methyl acetate	ND		22	6.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Methylcyclohexane	ND		4.5	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Methylene Chloride	ND		4.5	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Methyl tert-butyl ether	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
m-Xylene & p-Xylene	ND		4.5	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
o-Xylene	ND		4.5	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Styrene	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,1,2,2-Tetrachloroethane	ND		4.5	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Tetrachloroethene	ND		4.5	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Toluene	ND		4.5	1.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
trans-1,2-Dichloroethene	ND		4.5	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2,3-Trichlorobenzene	ND		8.9	2.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,2,4-Trichlorobenzene	ND		4.5	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,1,1-Trichloroethane	ND		4.5	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,1,2-Trichloroethane	ND		4.5	0.88	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Trichloroethene	ND		4.5	1.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Trichlorofluoromethane	ND		4.5	3.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.5	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Vinyl chloride	ND		4.5	3.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1
Xylenes, Total	ND		8.9	6.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*05/25/23 07:58*	*05/25/23 16:15*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*05/25/23 07:58*	*05/25/23 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*05/25/23 07:58*	*05/25/23 16:15*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*05/25/23 07:58*	*05/25/23 16:15*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Acenaphthylene	ND		70	15	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Acetophenone	ND		700	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Anthracene	ND		70	18	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Atrazine	ND		700	150	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10
Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		700	43	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Carbazole	ND		70	16	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Chrysene	ND		70	39	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Fluoranthene	ND		70	18	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Fluorene	ND		70	14	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Hexachloroethane	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Naphthalene	ND		70	14	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10
Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		700	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Phenanthrene	ND		70	19	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
Pyrene	ND		70	17	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*06/02/23 16:14*	*06/05/23 15:12*	*1*
2-Fluorophenol (Surr)	*53*		*48 - 105*	*06/02/23 16:14*	*06/05/23 15:12*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 105*	*06/02/23 16:14*	*06/05/23 15:12*	*1*
Phenol-d5 (Surr)	*55*		*46 - 105*	*06/02/23 16:14*	*06/05/23 15:12*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*06/02/23 16:14*	*06/05/23 15:12*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*34 - 108*	*06/02/23 16:14*	*06/05/23 15:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1221	ND		18	6.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1232	ND		18	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1242	ND		18	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1248	ND		18	4.2	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1254	ND		18	5.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1260	ND		18	5.0	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1262	ND		18	6.2	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1
PCB-1268	ND		18	2.4	ug/Kg	☼	05/25/23 16:34	05/26/23 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:20*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		16	4.0	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Antimony	ND		0.80	0.24	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Arsenic	**5.3**		0.80	0.50	mg/Kg	☼	05/26/23 07:23	06/12/23 19:36	1
Barium	**45**		16	2.8	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Beryllium	**0.30**	**J**	0.32	0.087	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Cadmium	**0.47**		0.40	0.059	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Calcium	**27000**		400	52	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1

Client Sample ID: ISMP-LP2-5
Lab Sample ID: 180-157020-10

Date Collected: 05/23/23 14:10
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 93.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	9.9		0.40	0.36	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Cobalt	6.7		4.0	0.56	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Copper	23		2.0	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Iron	16000		8.0	7.8	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Lead	11		0.80	0.69	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Magnesium	5700		400	44	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Manganese	340		1.2	0.22	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Nickel	19		3.2	0.40	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Potassium	440		400	68	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Selenium	ND		0.80	0.37	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Silver	ND		0.40	0.083	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Sodium	54	J	400	41	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Thallium	ND		1.6	0.23	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Vanadium	13		4.0	0.63	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1
Zinc	56		1.6	1.2	mg/Kg	☼	05/26/23 07:23	06/08/23 19:58	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030	J	0.035	0.023	mg/Kg	☼	06/06/23 12:15	06/07/23 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.4		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	93.6		0.1	0.1	%			05/31/23 15:54	1

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11

Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 91.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Benzene	ND		5.6	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Chloroethane	ND	*1	5.6	3.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11

Date Collected: 05/23/23 00:00
Matrix: Solid

Date Received: 05/24/23 09:40
Percent Solids: 91.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Styrene	ND		5.6	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Toluene	ND		5.6	1.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	05/25/23 07:58	05/25/23 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*05/25/23 07:58*	*05/25/23 16:38*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*05/25/23 07:58*	*05/25/23 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*05/25/23 07:58*	*05/25/23 16:38*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*05/25/23 07:58*	*05/25/23 16:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	20	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Acenaphthylene	ND		72	16	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Acetophenone	ND		720	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Anthracene	ND		72	18	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Atrazine	ND		720	160	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Benzaldehyde	ND		720	44	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11
Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 91.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Caprolactam	ND		1800	230	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Carbazole	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Chrysene	ND		72	39	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Dibenzofuran	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Fluoranthene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Fluorene	ND		72	14	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Hexachloroethane	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Indeno[1,2,3-cd]pyrene	ND		72	35	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Isophorone	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2-Methylphenol	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Naphthalene	ND		72	14	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Nitrobenzene	ND		720	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11
Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 91.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		350	130	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Phenanthrene	ND		72	19	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Phenol	ND		350	110	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
Pyrene	ND		72	17	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	06/02/23 16:14	06/05/23 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*06/02/23 16:14*	*06/05/23 15:34*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*06/02/23 16:14*	*06/05/23 15:34*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*06/02/23 16:14*	*06/05/23 15:34*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*06/02/23 16:14*	*06/05/23 15:34*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*06/02/23 16:14*	*06/05/23 15:34*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*34 - 108*	*06/02/23 16:14*	*06/05/23 15:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1221	ND		18	6.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1232	ND		18	4.4	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1242	ND		18	2.6	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1248	ND		18	4.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1254	ND		18	5.4	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1260	ND		18	5.1	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1262	ND		18	6.3	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1
PCB-1268	ND		18	2.4	ug/Kg	☼	05/25/23 16:34	05/26/23 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:38*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*05/25/23 16:34*	*05/26/23 15:38*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:38*	*1*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*	*05/25/23 16:34*	*05/26/23 15:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		17	4.3	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Antimony	ND		1.7	0.52	mg/Kg	☼	05/26/23 07:23	06/12/23 19:52	2
Arsenic	**5.3**		1.7	1.1	mg/Kg	☼	05/26/23 07:23	06/12/23 19:52	2
Barium	**27**		17	3.0	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Beryllium	**0.26**	**J**	0.34	0.093	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Cadmium	**0.38**	**J**	0.86	0.13	mg/Kg	☼	05/26/23 07:23	06/12/23 19:52	2
Calcium	**640**		430	55	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Chromium	**7.7**		0.43	0.39	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Client Sample ID: ISMP-LP-DUP
Lab Sample ID: 180-157020-11
Date Collected: 05/23/23 00:00
Matrix: Solid
Date Received: 05/24/23 09:40
Percent Solids: 91.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	6.5		4.3	0.60	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Copper	18		2.1	1.3	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Iron	12000		8.6	8.3	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Lead	11		0.86	0.75	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Magnesium	1500		430	47	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Manganese	420		1.3	0.24	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Nickel	14		3.4	0.43	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Potassium	300	J	430	73	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Selenium	ND		1.7	0.79	mg/Kg	☼	05/26/23 07:23	06/12/23 19:52	2
Silver	ND		0.43	0.089	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Sodium	ND		430	44	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Thallium	ND		1.7	0.24	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Vanadium	11		4.3	0.68	mg/Kg	☼	05/26/23 07:23	06/08/23 20:03	1
Zinc	55		3.4	2.5	mg/Kg	☼	05/26/23 07:23	06/12/23 19:52	2

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.034	0.022	mg/Kg	☼	06/06/23 12:15	06/07/23 14:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.7		0.1	0.1	%			05/31/23 15:54	1
Percent Solids (SM22 2540G)	91.3		0.1	0.1	%			05/31/23 15:54	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-436157/7
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			05/25/23 12:06	1
Benzene	ND		5.0	1.4	ug/Kg			05/25/23 12:06	1
Bromoform	ND		5.0	2.5	ug/Kg			05/25/23 12:06	1
Bromomethane	ND		5.0	2.3	ug/Kg			05/25/23 12:06	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			05/25/23 12:06	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			05/25/23 12:06	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			05/25/23 12:06	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			05/25/23 12:06	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			05/25/23 12:06	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			05/25/23 12:06	1
Chloroethane	ND		5.0	2.9	ug/Kg			05/25/23 12:06	1
Chloroform	ND		5.0	3.4	ug/Kg			05/25/23 12:06	1
Chloromethane	ND		5.0	2.0	ug/Kg			05/25/23 12:06	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			05/25/23 12:06	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/25/23 12:06	1
Cyclohexane	ND		5.0	2.4	ug/Kg			05/25/23 12:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			05/25/23 12:06	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			05/25/23 12:06	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			05/25/23 12:06	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			05/25/23 12:06	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			05/25/23 12:06	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			05/25/23 12:06	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			05/25/23 12:06	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			05/25/23 12:06	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			05/25/23 12:06	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			05/25/23 12:06	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			05/25/23 12:06	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			05/25/23 12:06	1
1,4-Dioxane	ND		1000	76	ug/Kg			05/25/23 12:06	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			05/25/23 12:06	1
2-Hexanone	ND		25	1.6	ug/Kg			05/25/23 12:06	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			05/25/23 12:06	1
Methyl acetate	ND		25	7.4	ug/Kg			05/25/23 12:06	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			05/25/23 12:06	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			05/25/23 12:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			05/25/23 12:06	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			05/25/23 12:06	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			05/25/23 12:06	1
o-Xylene	ND		5.0	2.0	ug/Kg			05/25/23 12:06	1
Styrene	ND		5.0	1.5	ug/Kg			05/25/23 12:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			05/25/23 12:06	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			05/25/23 12:06	1
Toluene	ND		5.0	1.4	ug/Kg			05/25/23 12:06	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			05/25/23 12:06	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			05/25/23 12:06	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			05/25/23 12:06	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			05/25/23 12:06	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			05/25/23 12:06	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-436157/7
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			05/25/23 12:06	1
Trichloroethene	ND		5.0	1.6	ug/Kg			05/25/23 12:06	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			05/25/23 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			05/25/23 12:06	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			05/25/23 12:06	1
Xylenes, Total	ND		10	7.2	ug/Kg			05/25/23 12:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*		*05/25/23 12:06*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*		*05/25/23 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*		*05/25/23 12:06*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*		*05/25/23 12:06*	*1*

Lab Sample ID: LCS 180-436157/3
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	49.1		ug/Kg		123	23 - 170
Benzene	40.0	36.8		ug/Kg		92	77 - 120
Bromoform	40.0	29.7		ug/Kg		74	37 - 147
Bromomethane	40.0	37.7		ug/Kg		94	47 - 149
2-Butanone (MEK)	40.0	42.8		ug/Kg		107	39 - 157
Carbon disulfide	40.0	35.2		ug/Kg		88	40 - 156
Carbon tetrachloride	40.0	37.2		ug/Kg		93	73 - 130
Chlorobenzene	40.0	35.4		ug/Kg		88	79 - 122
Chlorobromomethane	40.0	37.5		ug/Kg		94	64 - 128
Chlorodibromomethane	40.0	32.5		ug/Kg		81	60 - 134
Chloroethane	40.0	39.9		ug/Kg		100	37 - 159
Chloroform	40.0	37.6		ug/Kg		94	73 - 126
Chloromethane	40.0	36.9		ug/Kg		92	46 - 151
cis-1,2-Dichloroethene	40.0	37.2		ug/Kg		93	77 - 118
cis-1,3-Dichloropropene	40.0	34.8		ug/Kg		87	73 - 127
Cyclohexane	40.0	35.4		ug/Kg		88	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	26.4		ug/Kg		66	30 - 163
1,2-Dibromoethane	40.0	33.8		ug/Kg		85	59 - 137
1,2-Dichlorobenzene	40.0	35.3		ug/Kg		88	76 - 120
1,3-Dichlorobenzene	40.0	35.9		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	35.9		ug/Kg		90	79 - 120
Dichlorobromomethane	40.0	35.3		ug/Kg		88	75 - 123
Dichlorodifluoromethane	40.0	35.5		ug/Kg		89	26 - 149
1,1-Dichloroethane	40.0	36.5		ug/Kg		91	73 - 124
1,2-Dichloroethane	40.0	34.7		ug/Kg		87	64 - 140
1,1-Dichloroethene	40.0	37.7		ug/Kg		94	55 - 136
1,2-Dichloroethene, Total	80.0	76.1		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	34.6		ug/Kg		86	77 - 119
1,4-Dioxane	800	739	J	ug/Kg		92	18 - 166
Ethylbenzene	40.0	36.1		ug/Kg		90	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-436157/3
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	35.8		ug/Kg		89	42 - 152
Isopropylbenzene	40.0	36.8		ug/Kg		92	70 - 125
Methyl acetate	80.0	70.7		ug/Kg		88	20 - 170
Methylcyclohexane	40.0	37.3		ug/Kg		93	70 - 125
Methylene Chloride	40.0	40.2		ug/Kg		100	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	28.3		ug/Kg		71	51 - 147
Methyl tert-butyl ether	40.0	33.4		ug/Kg		84	58 - 132
m-Xylene & p-Xylene	40.0	35.9		ug/Kg		90	77 - 120
o-Xylene	40.0	36.2		ug/Kg		91	78 - 118
Styrene	40.0	35.6		ug/Kg		89	80 - 120
1,1,2,2-Tetrachloroethane	40.0	31.5		ug/Kg		79	36 - 170
Tetrachloroethene	40.0	37.1		ug/Kg		93	71 - 121
Toluene	40.0	35.7		ug/Kg		89	76 - 120
trans-1,2-Dichloroethene	40.0	38.9		ug/Kg		97	75 - 122
trans-1,3-Dichloropropene	40.0	32.2		ug/Kg		80	68 - 133
1,2,3-Trichlorobenzene	40.0	34.4		ug/Kg		86	29 - 166
1,2,4-Trichlorobenzene	40.0	34.2		ug/Kg		85	22 - 170
1,1,1-Trichloroethane	40.0	37.4		ug/Kg		94	72 - 134
1,1,2-Trichloroethane	40.0	33.3		ug/Kg		83	66 - 128
Trichloroethene	40.0	38.1		ug/Kg		95	69 - 118
Trichlorofluoromethane	40.0	42.6		ug/Kg		106	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	35.4		ug/Kg		89	59 - 135
Vinyl chloride	40.0	37.5		ug/Kg		94	64 - 134
Xylenes, Total	80.0	72.1		ug/Kg		90	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*95*		*67 - 134*

Lab Sample ID: LCSD 180-436157/4
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	35.0		ug/Kg		88	23 - 170	33	35
Benzene	40.0	37.7		ug/Kg		94	77 - 120	2	20
Bromoform	40.0	31.2		ug/Kg		78	37 - 147	5	23
Bromomethane	40.0	29.8		ug/Kg		74	47 - 149	24	25
2-Butanone (MEK)	40.0	31.3		ug/Kg		78	39 - 157	31	33
Carbon disulfide	40.0	34.5		ug/Kg		86	40 - 156	2	25
Carbon tetrachloride	40.0	36.6		ug/Kg		91	73 - 130	2	21
Chlorobenzene	40.0	36.6		ug/Kg		91	79 - 122	3	20
Chlorobromomethane	40.0	38.9		ug/Kg		97	64 - 128	4	20
Chlorodibromomethane	40.0	33.6		ug/Kg		84	60 - 134	3	40
Chloroethane	40.0	19.1	*1	ug/Kg		48	37 - 159	70	25
Chloroform	40.0	38.5		ug/Kg		96	73 - 126	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-436157/4
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	35.5		ug/Kg		89	46 - 151	4	33
cis-1,2-Dichloroethene			40.0	39.0		ug/Kg		97	77 - 118	4	20
cis-1,3-Dichloropropene			40.0	36.5		ug/Kg		91	73 - 127	5	20
Cyclohexane			40.0	34.9		ug/Kg		87	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	26.9		ug/Kg		67	30 - 163	2	34
1,2-Dibromoethane			40.0	35.6		ug/Kg		89	59 - 137	5	20
1,2-Dichlorobenzene			40.0	36.0		ug/Kg		90	76 - 120	2	20
1,3-Dichlorobenzene			40.0	36.6		ug/Kg		92	77 - 121	2	20
1,4-Dichlorobenzene			40.0	36.1		ug/Kg		90	79 - 120	1	20
Dichlorobromomethane			40.0	36.5		ug/Kg		91	75 - 123	3	20
Dichlorodifluoromethane			40.0	34.2		ug/Kg		85	26 - 149	4	24
1,1-Dichloroethane			40.0	36.9		ug/Kg		92	73 - 124	1	20
1,2-Dichloroethane			40.0	36.3		ug/Kg		91	64 - 140	4	20
1,1-Dichloroethene			40.0	36.8		ug/Kg		92	55 - 136	2	21
1,2-Dichloroethene, Total			80.0	78.1		ug/Kg		98	77 - 119	3	20
1,2-Dichloropropane			40.0	36.4		ug/Kg		91	77 - 119	5	20
1,4-Dioxane			800	720	J	ug/Kg		90	18 - 166	3	40
Ethylbenzene			40.0	37.2		ug/Kg		93	79 - 119	3	20
2-Hexanone			40.0	29.0		ug/Kg		72	42 - 152	21	30
Isopropylbenzene			40.0	37.1		ug/Kg		93	70 - 125	1	21
Methyl acetate			80.0	75.1		ug/Kg		94	20 - 170	6	33
Methylcyclohexane			40.0	37.1		ug/Kg		93	70 - 125	1	22
Methylene Chloride			40.0	40.8		ug/Kg		102	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)			40.0	29.0		ug/Kg		73	51 - 147	3	27
Methyl tert-butyl ether			40.0	34.5		ug/Kg		86	58 - 132	3	24
m-Xylene & p-Xylene			40.0	37.3		ug/Kg		93	77 - 120	4	20
o-Xylene			40.0	37.2		ug/Kg		93	78 - 118	3	20
Styrene			40.0	36.5		ug/Kg		91	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	33.2		ug/Kg		83	36 - 170	5	23
Tetrachloroethene			40.0	38.1		ug/Kg		95	71 - 121	3	21
Toluene			40.0	36.2		ug/Kg		91	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	39.1		ug/Kg		98	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	33.8		ug/Kg		84	68 - 133	5	20
1,2,3-Trichlorobenzene			40.0	35.4		ug/Kg		89	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	35.4		ug/Kg		89	22 - 170	4	29
1,1,1-Trichloroethane			40.0	36.7		ug/Kg		92	72 - 134	2	20
1,1,2-Trichloroethane			40.0	34.6		ug/Kg		87	66 - 128	4	21
Trichloroethene			40.0	38.5		ug/Kg		96	69 - 118	1	20
Trichlorofluoromethane			40.0	39.5		ug/Kg		99	32 - 149	8	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	34.6		ug/Kg		86	59 - 135	2	28
Vinyl chloride			40.0	37.1		ug/Kg		93	64 - 134	1	23
Xylenes, Total			80.0	74.5		ug/Kg		93	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-436157/4
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		39.8	57.3		ug/Kg	☼	144	23 - 170
Benzene	ND		39.8	38.4		ug/Kg	☼	97	77 - 120
Bromoform	ND		39.8	33.0		ug/Kg	☼	83	37 - 147
Bromomethane	ND		39.8	37.3		ug/Kg	☼	94	47 - 149
2-Butanone (MEK)	ND		39.8	46.4		ug/Kg	☼	117	39 - 157
Carbon disulfide	ND		39.8	35.7		ug/Kg	☼	90	40 - 156
Carbon tetrachloride	ND		39.8	38.1		ug/Kg	☼	96	73 - 130
Chlorobenzene	ND		39.8	38.1		ug/Kg	☼	96	79 - 122
Chlorobromomethane	ND		39.8	39.2		ug/Kg	☼	99	64 - 128
Chlorodibromomethane	ND		39.8	35.1		ug/Kg	☼	88	60 - 134
Chloroethane	ND	*1	39.8	38.1		ug/Kg	☼	96	37 - 159
Chloroform	ND		39.8	38.9		ug/Kg	☼	98	73 - 126
Chloromethane	ND		39.8	36.7		ug/Kg	☼	92	46 - 151
cis-1,2-Dichloroethene	ND		39.8	38.8		ug/Kg	☼	98	77 - 118
cis-1,3-Dichloropropene	ND		39.8	37.4		ug/Kg	☼	94	73 - 127
Cyclohexane	ND		39.8	36.8		ug/Kg	☼	92	63 - 143
1,2-Dibromo-3-Chloropropane	ND		39.8	30.0		ug/Kg	☼	75	30 - 163
1,2-Dibromoethane	ND		39.8	36.8		ug/Kg	☼	92	59 - 137
1,2-Dichlorobenzene	ND		39.8	37.8		ug/Kg	☼	95	76 - 120
1,3-Dichlorobenzene	ND		39.8	37.8		ug/Kg	☼	95	77 - 121
1,4-Dichlorobenzene	ND		39.8	38.0		ug/Kg	☼	95	79 - 120
Dichlorobromomethane	ND		39.8	37.9		ug/Kg	☼	95	75 - 123
Dichlorodifluoromethane	ND		39.8	37.6		ug/Kg	☼	94	26 - 149
1,1-Dichloroethane	ND		39.8	37.5		ug/Kg	☼	94	73 - 124
1,2-Dichloroethane	ND		39.8	37.9		ug/Kg	☼	95	64 - 140
1,1-Dichloroethene	ND		39.8	38.6		ug/Kg	☼	97	55 - 136
1,2-Dichloroethene, Total	ND		79.6	78.4		ug/Kg	☼	98	77 - 119
1,2-Dichloropropane	ND		39.8	36.8		ug/Kg	☼	92	77 - 119
1,4-Dioxane	ND		796	813	J	ug/Kg	☼	102	18 - 166
Ethylbenzene	ND		39.8	38.7		ug/Kg	☼	97	79 - 119
2-Hexanone	ND		39.8	44.0		ug/Kg	☼	111	42 - 152
Isopropylbenzene	ND		39.8	38.7		ug/Kg	☼	97	70 - 125
Methyl acetate	ND		79.6	76.8		ug/Kg	☼	96	20 - 170
Methylcyclohexane	ND		39.8	38.5		ug/Kg	☼	97	70 - 125
Methylene Chloride	ND		39.8	39.2		ug/Kg	☼	98	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		39.8	33.7		ug/Kg	☼	85	51 - 147
Methyl tert-butyl ether	ND		39.8	35.8		ug/Kg	☼	90	58 - 132
m-Xylene & p-Xylene	ND		39.8	38.3		ug/Kg	☼	96	77 - 120
o-Xylene	ND		39.8	38.3		ug/Kg	☼	96	78 - 118
Styrene	ND		39.8	38.7		ug/Kg	☼	97	80 - 120
1,1,2,2-Tetrachloroethane	ND		39.8	35.3		ug/Kg	☼	89	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		39.8	39.1		ug/Kg	☼	98	71 - 121
Toluene	ND		39.8	38.1		ug/Kg	☼	96	76 - 120
trans-1,2-Dichloroethene	ND		39.8	39.6		ug/Kg	☼	99	75 - 122
trans-1,3-Dichloropropene	ND		39.8	35.4		ug/Kg	☼	89	68 - 133
1,2,3-Trichlorobenzene	ND		39.8	37.1		ug/Kg	☼	93	29 - 166
1,2,4-Trichlorobenzene	ND		39.8	37.7		ug/Kg	☼	95	22 - 170
1,1,1-Trichloroethane	ND		39.8	38.2		ug/Kg	☼	96	72 - 134
1,1,2-Trichloroethane	ND		39.8	37.0		ug/Kg	☼	93	66 - 128
Trichloroethene	ND		39.8	39.1		ug/Kg	☼	98	69 - 118
Trichlorofluoromethane	ND		39.8	39.1		ug/Kg	☼	98	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39.8	38.7		ug/Kg	☼	97	59 - 135
Vinyl chloride	ND		39.8	36.6		ug/Kg	☼	92	64 - 134
Xylenes, Total	ND		79.6	76.6		ug/Kg	☼	96	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		40.0	54.2		ug/Kg	☼	135	23 - 170	6	35
Benzene	ND		40.0	38.0		ug/Kg	☼	95	77 - 120	1	20
Bromoform	ND		40.0	31.6		ug/Kg	☼	79	37 - 147	4	23
Bromomethane	ND		40.0	37.2		ug/Kg	☼	93	47 - 149	0	25
2-Butanone (MEK)	ND		40.0	48.9		ug/Kg	☼	122	39 - 157	5	33
Carbon disulfide	ND		40.0	34.9		ug/Kg	☼	87	40 - 156	2	25
Carbon tetrachloride	ND		40.0	37.2		ug/Kg	☼	93	73 - 130	3	21
Chlorobenzene	ND		40.0	37.0		ug/Kg	☼	92	79 - 122	3	20
Chlorobromomethane	ND		40.0	39.4		ug/Kg	☼	99	64 - 128	1	20
Chlorodibromomethane	ND		40.0	34.3		ug/Kg	☼	86	60 - 134	3	40
Chloroethane	ND	*1	40.0	36.7		ug/Kg	☼	92	37 - 159	4	25
Chloroform	ND		40.0	39.0		ug/Kg	☼	97	73 - 126	0	20
Chloromethane	ND		40.0	35.4		ug/Kg	☼	88	46 - 151	4	33
cis-1,2-Dichloroethene	ND		40.0	38.9		ug/Kg	☼	97	77 - 118	0	20
cis-1,3-Dichloropropene	ND		40.0	37.0		ug/Kg	☼	93	73 - 127	1	20
Cyclohexane	ND		40.0	36.2		ug/Kg	☼	90	63 - 143	2	25
1,2-Dibromo-3-Chloropropane	ND		40.0	27.6		ug/Kg	☼	69	30 - 163	9	34
1,2-Dibromoethane	ND		40.0	36.9		ug/Kg	☼	92	59 - 137	0	20
1,2-Dichlorobenzene	ND		40.0	37.3		ug/Kg	☼	93	76 - 120	1	20
1,3-Dichlorobenzene	ND		40.0	37.4		ug/Kg	☼	93	77 - 121	1	20
1,4-Dichlorobenzene	ND		40.0	37.1		ug/Kg	☼	93	79 - 120	2	20
Dichlorobromomethane	ND		40.0	37.3		ug/Kg	☼	93	75 - 123	2	20
Dichlorodifluoromethane	ND		40.0	35.2		ug/Kg	☼	88	26 - 149	7	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 436157

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		40.0	37.0		ug/Kg	☼	92	73 - 124	1	20
1,2-Dichloroethane	ND		40.0	37.0		ug/Kg	☼	92	64 - 140	2	20
1,1-Dichloroethene	ND		40.0	37.9		ug/Kg	☼	95	55 - 136	2	21
1,2-Dichloroethene, Total	ND		80.1	78.2		ug/Kg	☼	98	77 - 119	0	20
1,2-Dichloropropane	ND		40.0	37.0		ug/Kg	☼	92	77 - 119	1	20
1,4-Dioxane	ND		801	744	J	ug/Kg	☼	93	18 - 166	9	40
Ethylbenzene	ND		40.0	37.7		ug/Kg	☼	94	79 - 119	3	20
2-Hexanone	ND		40.0	41.2		ug/Kg	☼	103	42 - 152	7	30
Isopropylbenzene	ND		40.0	37.8		ug/Kg	☼	94	70 - 125	2	21
Methyl acetate	ND		80.1	78.9		ug/Kg	☼	99	20 - 170	3	33
Methylcyclohexane	ND		40.0	37.8		ug/Kg	☼	94	70 - 125	2	22
Methylene Chloride	ND		40.0	38.9		ug/Kg	☼	97	67 - 131	1	32
4-Methyl-2-pentanone (MIBK)	ND		40.0	32.9		ug/Kg	☼	82	51 - 147	2	27
Methyl tert-butyl ether	ND		40.0	36.6		ug/Kg	☼	91	58 - 132	2	24
m-Xylene & p-Xylene	ND		40.0	37.2		ug/Kg	☼	93	77 - 120	3	20
o-Xylene	ND		40.0	37.5		ug/Kg	☼	94	78 - 118	2	20
Styrene	ND		40.0	36.9		ug/Kg	☼	92	80 - 120	5	20
1,1,2,2-Tetrachloroethane	ND		40.0	35.3		ug/Kg	☼	88	36 - 170	0	23
Tetrachloroethene	ND		40.0	37.4		ug/Kg	☼	93	71 - 121	4	21
Toluene	ND		40.0	36.8		ug/Kg	☼	92	76 - 120	3	20
trans-1,2-Dichloroethene	ND		40.0	39.2		ug/Kg	☼	98	75 - 122	1	20
trans-1,3-Dichloropropene	ND		40.0	34.5		ug/Kg	☼	86	68 - 133	2	20
1,2,3-Trichlorobenzene	ND		40.0	36.0		ug/Kg	☼	90	29 - 166	3	40
1,2,4-Trichlorobenzene	ND		40.0	36.3		ug/Kg	☼	91	22 - 170	4	29
1,1,1-Trichloroethane	ND		40.0	37.5		ug/Kg	☼	94	72 - 134	2	20
1,1,2-Trichloroethane	ND		40.0	36.1		ug/Kg	☼	90	66 - 128	3	21
Trichloroethene	ND		40.0	38.6		ug/Kg	☼	96	69 - 118	1	20
Trichlorofluoromethane	ND		40.0	37.2		ug/Kg	☼	93	32 - 149	5	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.0	36.5		ug/Kg	☼	91	59 - 135	6	28
Vinyl chloride	ND		40.0	35.4		ug/Kg	☼	88	64 - 134	3	23
Xylenes, Total	ND		80.1	74.7		ug/Kg	☼	93	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*100*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*100*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-436886/1-A
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Acenaphthylene	ND		67	15	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Acetophenone	ND		670	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-157020-1
Project/Site: Sterling, Former Sperry Remington-Documentatio

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-436886/1-A
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Atrazine	ND		670	150	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Benzaldehyde	ND		670	41	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Benzo[a]anthracene	ND		67	30	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Benzo[a]pyrene	ND		67	29	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
1,1'-Biphenyl	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Caprolactam	ND		1700	220	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Carbazole	ND		67	16	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4-Chloroaniline	ND		330	88	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2-Chloronaphthalene	ND		67	15	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2-Chlorophenol	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Chrysene	ND		67	37	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Dibenzofuran	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Diethyl phthalate	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Dimethyl phthalate	ND		330	130	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
1,4-Dioxane	ND		670	100	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Fluoranthene	ND		67	18	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Fluorene	ND		67	13	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Hexachlorobenzene	ND		67	24	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Hexachlorobutadiene	ND		67	20	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Hexachloroethane	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Isophorone	ND		330	130	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2-Methylnaphthalene	ND		67	16	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2-Methylphenol	ND		330	96	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Naphthalene	ND		67	13	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2-Nitroaniline	ND		1700	150	ug/Kg		06/02/23 16:14	06/05/23 09:45	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-436886/1-A
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4-Nitroaniline	ND		1700	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Nitrobenzene	ND		670	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2-Nitrophenol	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
4-Nitrophenol	ND		1700	230	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Pentachlorophenol	ND		1700	540	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Phenanthrene	ND		67	18	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Phenol	ND		330	100	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
Pyrene	ND		67	16	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		06/02/23 16:14	06/05/23 09:45	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		06/02/23 16:14	06/05/23 09:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*06/02/23 16:14*	*06/05/23 09:45*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*06/02/23 16:14*	*06/05/23 09:45*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*06/02/23 16:14*	*06/05/23 09:45*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*06/02/23 16:14*	*06/05/23 09:45*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*06/02/23 16:14*	*06/05/23 09:45*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*06/02/23 16:14*	*06/05/23 09:45*	*1*

Lab Sample ID: LCS 180-436886/2-A
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4990		ug/Kg		75	50 - 100
Acenaphthylene	6670	4790		ug/Kg		72	52 - 100
Acetophenone	6670	4090		ug/Kg		61	48 - 100
Anthracene	6670	4620		ug/Kg		69	53 - 100
Atrazine	6670	4260		ug/Kg		64	49 - 103
Benzaldehyde	6670	5220		ug/Kg		78	23 - 105
Benzo[a]anthracene	6670	4760		ug/Kg		71	51 - 100
Benzo[a]pyrene	6670	4990		ug/Kg		75	51 - 100
Benzo[b]fluoranthene	6670	4900		ug/Kg		74	48 - 100
Benzo[g,h,i]perylene	6670	5190		ug/Kg		78	48 - 105
Benzo[k]fluoranthene	6670	5450		ug/Kg		82	19 - 100
1,1'-Biphenyl	6670	5200		ug/Kg		78	50 - 100
Bis(2-chloroethoxy)methane	6670	4020		ug/Kg		60	49 - 100
Bis(2-chloroethyl)ether	6670	3730		ug/Kg		56	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4560		ug/Kg		68	53 - 107
4-Bromophenyl phenyl ether	6670	4940		ug/Kg		74	52 - 101
Butyl benzyl phthalate	6670	4820		ug/Kg		72	52 - 107
Caprolactam	6670	3730		ug/Kg		56	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-436886/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 436965
Prep Batch: 436886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4460		ug/Kg		67	53 - 100
4-Chloroaniline	6670	4290		ug/Kg		64	47 - 100
4-Chloro-3-methylphenol	6670	4510		ug/Kg		68	49 - 106
2-Chloronaphthalene	6670	5100		ug/Kg		76	51 - 100
2-Chlorophenol	6670	4480		ug/Kg		67	51 - 100
4-Chlorophenyl phenyl ether	6670	4980		ug/Kg		75	52 - 100
Chrysene	6670	4800		ug/Kg		72	50 - 100
Dibenz(a,h)anthracene	6670	5380		ug/Kg		81	50 - 107
Dibenzofuran	6670	4670		ug/Kg		70	52 - 100
3,3'-Dichlorobenzidine	6670	4290		ug/Kg		64	43 - 100
2,4-Dichlorophenol	6670	4660		ug/Kg		70	53 - 101
Diethyl phthalate	6670	4330		ug/Kg		65	48 - 104
2,4-Dimethylphenol	6670	4500		ug/Kg		68	51 - 101
Dimethyl phthalate	6670	4590		ug/Kg		69	53 - 100
Di-n-butyl phthalate	6670	4080		ug/Kg		61	57 - 102
4,6-Dinitro-2-methylphenol	13300	10300		ug/Kg		78	51 - 100
2,4-Dinitrophenol	13300	7850		ug/Kg		59	33 - 101
2,4-Dinitrotoluene	6670	4790		ug/Kg		72	54 - 104
2,6-Dinitrotoluene	6670	4650		ug/Kg		70	51 - 106
Di-n-octyl phthalate	6670	4430		ug/Kg		66	41 - 106
1,4-Dioxane	6670	4180		ug/Kg		63	25 - 125
Fluoranthene	6670	4490		ug/Kg		67	55 - 100
Fluorene	6670	4650		ug/Kg		70	52 - 100
Hexachlorobenzene	6670	4230		ug/Kg		63	49 - 100
Hexachlorobutadiene	6670	4800		ug/Kg		72	38 - 107
Hexachlorocyclopentadiene	6670	4940		ug/Kg		74	33 - 117
Hexachloroethane	6670	4390		ug/Kg		66	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5350		ug/Kg		80	51 - 103
Isophorone	6670	4310		ug/Kg		65	48 - 105
2-Methylnaphthalene	6670	4930		ug/Kg		74	53 - 100
2-Methylphenol	6670	4420		ug/Kg		66	50 - 101
Methylphenol, 3 & 4	6670	4400		ug/Kg		66	50 - 103
Naphthalene	6670	4770		ug/Kg		72	51 - 100
2-Nitroaniline	6670	4430		ug/Kg		66	42 - 123
3-Nitroaniline	6670	4830		ug/Kg		72	50 - 103
4-Nitroaniline	6670	4520		ug/Kg		68	52 - 103
Nitrobenzene	6670	4530		ug/Kg		68	44 - 108
2-Nitrophenol	6670	5120		ug/Kg		77	55 - 107
4-Nitrophenol	13300	7170		ug/Kg		54	30 - 134
N-Nitrosodi-n-propylamine	6670	4670		ug/Kg		70	45 - 107
N-Nitrosodiphenylamine	6670	5130		ug/Kg		77	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4630		ug/Kg		69	30 - 113
Pentachlorophenol	13300	7930		ug/Kg		59	42 - 110
Phenanthrene	6670	4560		ug/Kg		68	53 - 100
Phenol	6670	4020		ug/Kg		60	49 - 100
Pyrene	6670	5370		ug/Kg		81	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5100		ug/Kg		77	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4260		ug/Kg		64	47 - 104
2,4,5-Trichlorophenol	6670	4900		ug/Kg		74	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-436886/2-A
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436886

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	5090		ug/Kg		76	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*44 - 105*
2-Fluorophenol (Surr)	*62*		*48 - 105*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*
Phenol-d5 (Surr)	*60*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		6990	4940		ug/Kg	☼	71	50 - 100		
Acenaphthylene	ND		6990	5170		ug/Kg	☼	74	52 - 100		
Acetophenone	ND		6990	4030		ug/Kg	☼	58	48 - 100		
Anthracene	ND		6990	4640		ug/Kg	☼	66	53 - 100		
Atrazine	ND	F1	6990	982	F1	ug/Kg	☼	14	49 - 103		
Benzaldehyde	ND	F1	6990	759	F1	ug/Kg	☼	11	23 - 105		
Benzo[a]anthracene	ND		6990	4720		ug/Kg	☼	68	51 - 100		
Benzo[a]pyrene	ND		6990	4730		ug/Kg	☼	68	51 - 100		
Benzo[b]fluoranthene	ND		6990	4740		ug/Kg	☼	68	48 - 100		
Benzo[g,h,i]perylene	ND		6990	4700		ug/Kg	☼	67	48 - 105		
Benzo[k]fluoranthene	ND		6990	4910		ug/Kg	☼	70	19 - 100		
1,1'-Biphenyl	ND		6990	5290		ug/Kg	☼	76	50 - 100		
Bis(2-chloroethoxy)methane	ND		6990	3880		ug/Kg	☼	56	49 - 100		
Bis(2-chloroethyl)ether	ND		6990	4110		ug/Kg	☼	59	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		6990	4610		ug/Kg	☼	66	53 - 107		
4-Bromophenyl phenyl ether	ND		6990	5030		ug/Kg	☼	72	52 - 101		
Butyl benzyl phthalate	ND		6990	4830		ug/Kg	☼	69	52 - 107		
Caprolactam	ND	F1	6990	3060	F1	ug/Kg	☼	44	48 - 111		
Carbazole	ND		6990	4240		ug/Kg	☼	61	53 - 100		
4-Chloroaniline	ND	F1	6990	2450	F1	ug/Kg	☼	35	47 - 100		
4-Chloro-3-methylphenol	ND		6990	4180		ug/Kg	☼	60	49 - 106		
2-Chloronaphthalene	ND		6990	5020		ug/Kg	☼	72	51 - 100		
2-Chlorophenol	ND		6990	4350		ug/Kg	☼	62	51 - 100		
4-Chlorophenyl phenyl ether	ND		6990	4870		ug/Kg	☼	70	52 - 100		
Chrysene	ND		6990	4810		ug/Kg	☼	69	50 - 100		
Dibenz(a,h)anthracene	ND		6990	5030		ug/Kg	☼	72	50 - 107		
Dibenzofuran	ND		6990	4700		ug/Kg	☼	67	52 - 100		
3,3'-Dichlorobenzidine	ND		6990	3450		ug/Kg	☼	49	43 - 100		
2,4-Dichlorophenol	ND		6990	4310		ug/Kg	☼	62	53 - 101		
Diethyl phthalate	ND		6990	4130		ug/Kg	☼	59	48 - 104		
2,4-Dimethylphenol	ND	F1	6990	3220	F1	ug/Kg	☼	46	51 - 101		
Dimethyl phthalate	ND		6990	4540		ug/Kg	☼	65	53 - 100		
Di-n-butyl phthalate	ND	F1	6990	3910	F1	ug/Kg	☼	56	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND	F1	14000	7400		ug/Kg	☼	53	51 - 100
2,4-Dinitrophenol	ND	F1	14000	2440	J F1	ug/Kg	☼	17	33 - 101
2,4-Dinitrotoluene	ND		6990	4660		ug/Kg	☼	67	54 - 104
2,6-Dinitrotoluene	ND		6990	4440		ug/Kg	☼	64	51 - 106
Di-n-octyl phthalate	ND		6990	4360		ug/Kg	☼	62	41 - 106
1,4-Dioxane	ND		6990	4030		ug/Kg	☼	58	25 - 125
Fluoranthene	ND		6990	4150		ug/Kg	☼	59	55 - 100
Fluorene	ND		6990	4420		ug/Kg	☼	63	52 - 100
Hexachlorobenzene	ND		6990	4400		ug/Kg	☼	63	49 - 100
Hexachlorobutadiene	ND		6990	4620		ug/Kg	☼	66	38 - 107
Hexachlorocyclopentadiene	ND	F1	6990	1960	F1	ug/Kg	☼	28	33 - 117
Hexachloroethane	ND		6990	4330		ug/Kg	☼	62	47 - 100
Indeno[1,2,3-cd]pyrene	ND		6990	4810		ug/Kg	☼	69	51 - 103
Isophorone	ND		6990	3710		ug/Kg	☼	53	48 - 105
2-Methylnaphthalene	ND		6990	4870		ug/Kg	☼	70	53 - 100
2-Methylphenol	ND		6990	4170		ug/Kg	☼	60	50 - 101
Methylphenol, 3 & 4	ND		6990	4350		ug/Kg	☼	62	50 - 103
Naphthalene	ND		6990	4660		ug/Kg	☼	67	51 - 100
2-Nitroaniline	ND		6990	4190		ug/Kg	☼	60	42 - 123
3-Nitroaniline	ND		6990	4000		ug/Kg	☼	57	50 - 103
4-Nitroaniline	ND	F1	6990	3790		ug/Kg	☼	54	52 - 103
Nitrobenzene	ND		6990	4490		ug/Kg	☼	64	44 - 108
2-Nitrophenol	ND		6990	4770		ug/Kg	☼	68	55 - 107
4-Nitrophenol	ND		14000	5990		ug/Kg	☼	43	30 - 134
N-Nitrosodi-n-propylamine	ND		6990	4930		ug/Kg	☼	71	45 - 107
N-Nitrosodiphenylamine	ND		6990	5160		ug/Kg	☼	74	52 - 100
2,2'-oxybis[1-chloropropane]	ND		6990	4770		ug/Kg	☼	68	30 - 113
Pentachlorophenol	ND	F1	14000	5790	F1	ug/Kg	☼	41	42 - 110
Phenanthrene	ND		6990	4430		ug/Kg	☼	63	53 - 100
Phenol	ND		6990	3850		ug/Kg	☼	55	49 - 100
Pyrene	ND		6990	5530		ug/Kg	☼	79	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		6990	5210		ug/Kg	☼	75	41 - 104
2,3,4,6-Tetrachlorophenol	ND		6990	3550		ug/Kg	☼	51	47 - 104
2,4,5-Trichlorophenol	ND		6990	4420		ug/Kg	☼	63	50 - 104
2,4,6-Trichlorophenol	ND		6990	4600		ug/Kg	☼	66	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*44 - 105*
2-Fluorophenol (Surr)	*55*		*48 - 105*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*
Phenol-d5 (Surr)	*59*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*53*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7080	4810		ug/Kg	☼	68	50 - 100	3	20
Acenaphthylene	ND		7080	5080		ug/Kg	☼	72	52 - 100	2	20
Acetophenone	ND		7080	3950		ug/Kg	☼	56	48 - 100	2	17
Anthracene	ND		7080	4530		ug/Kg	☼	64	53 - 100	2	20
Atrazine	ND	F1	7080	943	F1	ug/Kg	☼	13	49 - 103	4	19
Benzaldehyde	ND	F1	7080	720	F1	ug/Kg	☼	10	23 - 105	5	31
Benzo[a]anthracene	ND		7080	4900		ug/Kg	☼	69	51 - 100	4	21
Benzo[a]pyrene	ND		7080	4770		ug/Kg	☼	67	51 - 100	1	20
Benzo[b]fluoranthene	ND		7080	4740		ug/Kg	☼	67	48 - 100	0	20
Benzo[g,h,i]perylene	ND		7080	4670		ug/Kg	☼	66	48 - 105	1	19
Benzo[k]fluoranthene	ND		7080	4850		ug/Kg	☼	68	19 - 100	1	20
1,1'-Biphenyl	ND		7080	5290		ug/Kg	☼	75	50 - 100	0	19
Bis(2-chloroethoxy)methane	ND		7080	4060		ug/Kg	☼	57	49 - 100	5	20
Bis(2-chloroethyl)ether	ND		7080	4120		ug/Kg	☼	58	48 - 100	0	18
Bis(2-ethylhexyl) phthalate	ND		7080	4910		ug/Kg	☼	69	53 - 107	6	20
4-Bromophenyl phenyl ether	ND		7080	5000		ug/Kg	☼	71	52 - 101	1	20
Butyl benzyl phthalate	ND		7080	5330		ug/Kg	☼	75	52 - 107	10	19
Caprolactam	ND	F1	7080	2840	F1	ug/Kg	☼	40	48 - 111	8	23
Carbazole	ND		7080	4200		ug/Kg	☼	59	53 - 100	1	20
4-Chloroaniline	ND	F1	7080	2530	F1	ug/Kg	☼	36	47 - 100	3	20
4-Chloro-3-methylphenol	ND		7080	4180		ug/Kg	☼	59	49 - 106	0	20
2-Chloronaphthalene	ND		7080	5090		ug/Kg	☼	72	51 - 100	1	20
2-Chlorophenol	ND		7080	4320		ug/Kg	☼	61	51 - 100	1	17
4-Chlorophenyl phenyl ether	ND		7080	4880		ug/Kg	☼	69	52 - 100	0	19
Chrysene	ND		7080	5090		ug/Kg	☼	72	50 - 100	6	20
Dibenz(a,h)anthracene	ND		7080	4980		ug/Kg	☼	70	50 - 107	1	21
Dibenzofuran	ND		7080	4550		ug/Kg	☼	64	52 - 100	3	19
3,3'-Dichlorobenzidine	ND		7080	3480		ug/Kg	☼	49	43 - 100	1	19
2,4-Dichlorophenol	ND		7080	4430		ug/Kg	☼	63	53 - 101	3	22
Diethyl phthalate	ND		7080	3980		ug/Kg	☼	56	48 - 104	3	20
2,4-Dimethylphenol	ND	F1	7080	3240	F1	ug/Kg	☼	46	51 - 101	1	32
Dimethyl phthalate	ND		7080	4390		ug/Kg	☼	62	53 - 100	3	21
Di-n-butyl phthalate	ND	F1	7080	3910	F1	ug/Kg	☼	55	57 - 102	0	20
4,6-Dinitro-2-methylphenol	ND	F1	14200	6750	F1	ug/Kg	☼	48	51 - 100	9	22
2,4-Dinitrophenol	ND	F1	14200	ND	F1	ug/Kg	☼	0	33 - 101	NC	20
2,4-Dinitrotoluene	ND		7080	4490		ug/Kg	☼	63	54 - 104	4	20
2,6-Dinitrotoluene	ND		7080	4320		ug/Kg	☼	61	51 - 106	3	20
Di-n-octyl phthalate	ND		7080	4350		ug/Kg	☼	61	41 - 106	0	18
1,4-Dioxane	ND		7080	3990		ug/Kg	☼	56	25 - 125	1	17
Fluoranthene	ND		7080	4060		ug/Kg	☼	57	55 - 100	2	20
Fluorene	ND		7080	4430		ug/Kg	☼	63	52 - 100	0	19
Hexachlorobenzene	ND		7080	4450		ug/Kg	☼	63	49 - 100	1	20
Hexachlorobutadiene	ND		7080	4630		ug/Kg	☼	65	38 - 107	0	22
Hexachlorocyclopentadiene	ND	F1	7080	2030	F1	ug/Kg	☼	29	33 - 117	3	19
Hexachloroethane	ND		7080	4370		ug/Kg	☼	62	47 - 100	1	17
Indeno[1,2,3-cd]pyrene	ND		7080	4820		ug/Kg	☼	68	51 - 103	0	19
Isophorone	ND		7080	3690		ug/Kg	☼	52	48 - 105	1	20
2-Methylnaphthalene	ND		7080	4900		ug/Kg	☼	69	53 - 100	1	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 436965

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7080	4250		ug/Kg	☼	60	50 - 101	2	17
Methylphenol, 3 & 4	ND		7080	4390		ug/Kg	☼	62	50 - 103	1	19
Naphthalene	ND		7080	4710		ug/Kg	☼	67	51 - 100	1	20
2-Nitroaniline	ND		7080	4090		ug/Kg	☼	58	42 - 123	2	19
3-Nitroaniline	ND		7080	3900		ug/Kg	☼	55	50 - 103	2	20
4-Nitroaniline	ND	F1	7080	3570	F1	ug/Kg	☼	50	52 - 103	6	18
Nitrobenzene	ND		7080	4480		ug/Kg	☼	63	44 - 108	0	21
2-Nitrophenol	ND		7080	4760		ug/Kg	☼	67	55 - 107	0	19
4-Nitrophenol	ND		14200	5320		ug/Kg	☼	38	30 - 134	12	18
N-Nitrosodi-n-propylamine	ND		7080	4840		ug/Kg	☼	68	45 - 107	2	18
N-Nitrosodiphenylamine	ND		7080	5090		ug/Kg	☼	72	52 - 100	1	20
2,2'-oxybis[1-chloropropane]	ND		7080	4950		ug/Kg	☼	70	30 - 113	4	17
Pentachlorophenol	ND	F1	14200	5590	F1	ug/Kg	☼	39	42 - 110	3	20
Phenanthrene	ND		7080	4550		ug/Kg	☼	64	53 - 100	3	20
Phenol	ND		7080	3830		ug/Kg	☼	54	49 - 100	0	16
Pyrene	ND		7080	5970		ug/Kg	☼	84	52 - 100	8	20
1,2,4,5-Tetrachlorobenzene	ND		7080	5260		ug/Kg	☼	74	41 - 104	1	21
2,3,4,6-Tetrachlorophenol	ND		7080	3400		ug/Kg	☼	48	47 - 104	4	18
2,4,5-Trichlorophenol	ND		7080	4450		ug/Kg	☼	63	50 - 104	1	21
2,4,6-Trichlorophenol	ND		7080	4590		ug/Kg	☼	65	50 - 105	0	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*44 - 105*
2-Fluorophenol (Surr)	*55*		*48 - 105*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*
Phenol-d5 (Surr)	*54*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-436248/1-A
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1221	ND		17	5.9	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1232	ND		17	4.1	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1242	ND		17	2.4	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1248	ND		17	4.0	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1254	ND		17	5.0	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1260	ND		17	4.7	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1262	ND		17	5.9	ug/Kg		05/25/23 16:34	05/26/23 10:32	1
PCB-1268	ND		17	2.2	ug/Kg		05/25/23 16:34	05/26/23 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*	*S1-*	*63 - 138*	*05/25/23 16:34*	*05/26/23 10:32*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-436248/1-A
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436248

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		63 - 138	05/25/23 16:34	05/26/23 10:32	1
Tetrachloro-m-xylene (Surr)	70		55 - 135	05/25/23 16:34	05/26/23 10:32	1
Tetrachloro-m-xylene (Surr)	83		55 - 135	05/25/23 16:34	05/26/23 10:32	1

Lab Sample ID: LCS 180-436248/2-A
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436248

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	927		ug/Kg		69	43 - 136		
PCB-1260			1330	1010		ug/Kg		76	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	48	S1-	63 - 138
DCB Decachlorobiphenyl (Surr)	55	S1-	63 - 138
Tetrachloro-m-xylene (Surr)	68		55 - 135
Tetrachloro-m-xylene (Surr)	84		55 - 135

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1410	1260		ug/Kg	☼	90	43 - 136		
PCB-1260	ND		1410	1460		ug/Kg	☼	104	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	65		63 - 138
DCB Decachlorobiphenyl (Surr)	68		63 - 138
Tetrachloro-m-xylene (Surr)	95		55 - 135
Tetrachloro-m-xylene (Surr)	114		55 - 135

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 436281

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1400	1490		ug/Kg	☼	106	43 - 136	17	40
PCB-1260	ND		1400	1610		ug/Kg	☼	115	55 - 128	9	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	71		63 - 138
DCB Decachlorobiphenyl (Surr)	75		63 - 138
Tetrachloro-m-xylene (Surr)	111		55 - 135
Tetrachloro-m-xylene (Surr)	135		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-436289/1-A
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Antimony	ND		1.0	0.30	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Barium	ND		20	3.6	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Beryllium	ND		0.40	0.11	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Cadmium	ND		0.50	0.073	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Calcium	ND		500	65	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Chromium	ND		0.50	0.46	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Cobalt	ND		5.0	0.70	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Copper	ND		2.5	1.5	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Iron	ND		10	9.7	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Lead	ND		1.0	0.87	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Magnesium	ND		500	55	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Manganese	ND		1.5	0.28	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Nickel	ND		4.0	0.50	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Potassium	ND		500	85	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Selenium	ND		1.0	0.46	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Silver	ND		0.50	0.10	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Sodium	ND		500	51	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Thallium	ND		2.0	0.28	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Vanadium	ND		5.0	0.79	mg/Kg		05/26/23 07:23	06/08/23 18:30	1
Zinc	ND		2.0	1.5	mg/Kg		05/26/23 07:23	06/08/23 18:30	1

Lab Sample ID: MB 180-436289/1-A
Matrix: Solid
Analysis Batch: 437755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 436289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		05/26/23 07:23	06/12/23 18:14	1

Lab Sample ID: LCS 180-436289/2-A
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	489		mg/Kg		98	80 - 120
Antimony	25.0	24.8		mg/Kg		99	80 - 120
Barium	100	99.7		mg/Kg		100	80 - 120
Beryllium	50.0	47.1		mg/Kg		94	80 - 120
Cadmium	50.0	47.9		mg/Kg		96	80 - 120
Calcium	2500	2430		mg/Kg		97	80 - 120
Chromium	50.0	48.9		mg/Kg		98	80 - 120
Cobalt	50.0	48.2		mg/Kg		96	80 - 120
Copper	50.0	52.4		mg/Kg		105	80 - 120
Iron	500	473		mg/Kg		95	80 - 120
Lead	50.0	48.9		mg/Kg		98	80 - 120
Magnesium	2500	2320		mg/Kg		93	80 - 120
Manganese	50.0	46.2		mg/Kg		92	80 - 120
Nickel	50.0	48.5		mg/Kg		97	80 - 120
Potassium	2500	2610		mg/Kg		104	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-436289/2-A
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	99.2		mg/Kg		99	80 - 120
Silver	25.0	24.6		mg/Kg		99	80 - 120
Sodium	2500	2610		mg/Kg		105	80 - 120
Thallium	100	93.2		mg/Kg		93	80 - 120
Vanadium	50.0	51.6		mg/Kg		103	80 - 120
Zinc	25.0	24.7		mg/Kg		99	80 - 120

Lab Sample ID: LCS 180-436289/2-A
Matrix: Solid
Analysis Batch: 437755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	98.4		mg/Kg		98	80 - 120

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6200		309	6540	4	mg/Kg	☼	103	75 - 125
Antimony	ND	F1	15.4	7.92	F1	mg/Kg	☼	51	75 - 125
Barium	40		61.8	91.5		mg/Kg	☼	84	75 - 125
Beryllium	0.27		30.9	26.4		mg/Kg	☼	85	75 - 125
Cadmium	0.46		30.9	26.2		mg/Kg	☼	83	75 - 125
Calcium	13000	F2	1540	16600	4	mg/Kg	☼	252	75 - 125
Chromium	8.7		30.9	34.1		mg/Kg	☼	82	75 - 125
Cobalt	6.2		30.9	38.7		mg/Kg	☼	105	75 - 125
Copper	23		30.9	52.3		mg/Kg	☼	95	75 - 125
Iron	15000		309	14800	4	mg/Kg	☼	-60	75 - 125
Lead	21	F2	30.9	58.8		mg/Kg	☼	123	75 - 125
Magnesium	4400	F1	1540	6990	F1	mg/Kg	☼	170	75 - 125
Manganese	360		30.9	396	4	mg/Kg	☼	120	75 - 125
Nickel	17		30.9	48.5		mg/Kg	☼	104	75 - 125
Potassium	410		1540	1670		mg/Kg	☼	82	75 - 125
Selenium	ND		61.8	54.1		mg/Kg	☼	88	75 - 125
Silver	ND		15.4	14.0		mg/Kg	☼	91	75 - 125
Sodium	34	J	1540	1510		mg/Kg	☼	96	75 - 125
Thallium	ND		61.8	61.4		mg/Kg	☼	99	75 - 125
Vanadium	12		30.9	38.3		mg/Kg	☼	84	75 - 125
Zinc	56	F1	15.4	68.0		mg/Kg	☼	75	75 - 125

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 437755

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	4.7		61.8	60.6		mg/Kg	☼	91	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 437492

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	6200		298	7280	4	mg/Kg	☼	355	75 - 125	11	20
Antimony	ND	F1	14.9	8.36	F1	mg/Kg	☼	56	75 - 125	5	20
Barium	40		59.7	97.1		mg/Kg	☼	96	75 - 125	6	20
Beryllium	0.27		29.8	25.3		mg/Kg	☼	84	75 - 125	4	20
Cadmium	0.46		29.8	24.8		mg/Kg	☼	82	75 - 125	5	20
Calcium	13000	F2	1490	22100	4 F2	mg/Kg	☼	629	75 - 125	28	20
Chromium	8.7		29.8	34.6		mg/Kg	☼	87	75 - 125	2	20
Cobalt	6.2		29.8	38.0		mg/Kg	☼	106	75 - 125	2	20
Copper	23		29.8	48.6		mg/Kg	☼	86	75 - 125	7	20
Iron	15000		298	15300	4	mg/Kg	☼	103	75 - 125	3	20
Lead	21	F2	29.8	47.5	F2	mg/Kg	☼	89	75 - 125	21	20
Magnesium	4400	F1	1490	7460	F1	mg/Kg	☼	208	75 - 125	6	20
Manganese	360		29.8	369	4	mg/Kg	☼	33	75 - 125	7	20
Nickel	17		29.8	48.9		mg/Kg	☼	109	75 - 125	1	20
Potassium	410		1490	1800		mg/Kg	☼	93	75 - 125	7	20
Selenium	ND		59.7	52.8		mg/Kg	☼	88	75 - 125	2	20
Silver	ND		14.9	13.7		mg/Kg	☼	92	75 - 125	3	20
Sodium	34	J	1490	1480		mg/Kg	☼	97	75 - 125	2	20
Thallium	ND		59.7	58.0		mg/Kg	☼	97	75 - 125	6	20
Vanadium	12		29.8	38.7		mg/Kg	☼	88	75 - 125	1	20
Zinc	56	F1	14.9	65.5	F1	mg/Kg	☼	62	75 - 125	4	20

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 437755

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 436289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	4.7		59.7	58.8		mg/Kg	☼	91	75 - 125	3	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-437069/1-A
Matrix: Solid
Analysis Batch: 437295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 437069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		06/06/23 12:15	06/07/23 14:05	1

Lab Sample ID: LCS 180-437069/2-A
Matrix: Solid
Analysis Batch: 437295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 437069

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.433		mg/Kg		104	80 - 120		

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-157020-4 MS
Matrix: Solid
Analysis Batch: 437295

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 437069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.029	J	0.166	0.185		mg/Kg	☼	94	80 - 120		

Lab Sample ID: 180-157020-4 MSD
Matrix: Solid
Analysis Batch: 437295

Client Sample ID: ISMP-LP1-4
Prep Type: Total/NA
Prep Batch: 437069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.029	J	0.171	0.188		mg/Kg	☼	93	80 - 120	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-157020-1 DU
Matrix: Solid
Analysis Batch: 436662

Client Sample ID: ISMP-LP1-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	3.1		5.3	F3	%		53	10
Percent Solids	96.9		94.7		%		2	10

GC/MS VOA

Analysis Batch: 436157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	EPA 8260C	436209
180-157020-2	ISMP-LP1-2	Total/NA	Solid	EPA 8260C	436209
180-157020-3	ISMP-LP1-3	Total/NA	Solid	EPA 8260C	436209
180-157020-4	ISMP-LP1-4	Total/NA	Solid	EPA 8260C	436209
180-157020-5	ISMP-LP1-5	Total/NA	Solid	EPA 8260C	436209
180-157020-6	ISMP-LP2-1	Total/NA	Solid	EPA 8260C	436209
180-157020-7	ISMP-LP2-2	Total/NA	Solid	EPA 8260C	436209
180-157020-8	ISMP-LP2-3	Total/NA	Solid	EPA 8260C	436209
180-157020-9	ISMP-LP2-4	Total/NA	Solid	EPA 8260C	436209
180-157020-10	ISMP-LP2-5	Total/NA	Solid	EPA 8260C	436209
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	EPA 8260C	436209
MB 180-436157/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-436157/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-436157/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	EPA 8260C	436209
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	EPA 8260C	436209

Prep Batch: 436209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	5035	
180-157020-2	ISMP-LP1-2	Total/NA	Solid	5035	
180-157020-3	ISMP-LP1-3	Total/NA	Solid	5035	
180-157020-4	ISMP-LP1-4	Total/NA	Solid	5035	
180-157020-5	ISMP-LP1-5	Total/NA	Solid	5035	
180-157020-6	ISMP-LP2-1	Total/NA	Solid	5035	
180-157020-7	ISMP-LP2-2	Total/NA	Solid	5035	
180-157020-8	ISMP-LP2-3	Total/NA	Solid	5035	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	5035	
180-157020-10	ISMP-LP2-5	Total/NA	Solid	5035	
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	5035	
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	5035	
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 436886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	3541	
180-157020-2	ISMP-LP1-2	Total/NA	Solid	3541	
180-157020-3	ISMP-LP1-3	Total/NA	Solid	3541	
180-157020-4	ISMP-LP1-4	Total/NA	Solid	3541	
180-157020-5	ISMP-LP1-5	Total/NA	Solid	3541	
180-157020-6	ISMP-LP2-1	Total/NA	Solid	3541	
180-157020-7	ISMP-LP2-2	Total/NA	Solid	3541	
180-157020-8	ISMP-LP2-3	Total/NA	Solid	3541	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	3541	
180-157020-10	ISMP-LP2-5	Total/NA	Solid	3541	
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	3541	
MB 180-436886/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-436886/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 436886 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	3541	

Analysis Batch: 436965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	EPA 8270D	436886
180-157020-2	ISMP-LP1-2	Total/NA	Solid	EPA 8270D	436886
180-157020-3	ISMP-LP1-3	Total/NA	Solid	EPA 8270D	436886
180-157020-4	ISMP-LP1-4	Total/NA	Solid	EPA 8270D	436886
180-157020-5	ISMP-LP1-5	Total/NA	Solid	EPA 8270D	436886
180-157020-7	ISMP-LP2-2	Total/NA	Solid	EPA 8270D	436886
180-157020-8	ISMP-LP2-3	Total/NA	Solid	EPA 8270D	436886
180-157020-10	ISMP-LP2-5	Total/NA	Solid	EPA 8270D	436886
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	EPA 8270D	436886
MB 180-436886/1-A	Method Blank	Total/NA	Solid	EPA 8270D	436886
LCS 180-436886/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	436886
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	EPA 8270D	436886
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	EPA 8270D	436886

Analysis Batch: 437058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-6	ISMP-LP2-1	Total/NA	Solid	EPA 8270D	436886
180-157020-9	ISMP-LP2-4	Total/NA	Solid	EPA 8270D	436886

GC Semi VOA

Prep Batch: 436248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	3541	
180-157020-2	ISMP-LP1-2	Total/NA	Solid	3541	
180-157020-3	ISMP-LP1-3	Total/NA	Solid	3541	
180-157020-4	ISMP-LP1-4	Total/NA	Solid	3541	
180-157020-5	ISMP-LP1-5	Total/NA	Solid	3541	
180-157020-6	ISMP-LP2-1	Total/NA	Solid	3541	
180-157020-7	ISMP-LP2-2	Total/NA	Solid	3541	
180-157020-8	ISMP-LP2-3	Total/NA	Solid	3541	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	3541	
180-157020-10	ISMP-LP2-5	Total/NA	Solid	3541	
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	3541	
MB 180-436248/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-436248/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	3541	
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	3541	

Cleanup Batch: 436275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	3665A	436248
180-157020-2	ISMP-LP1-2	Total/NA	Solid	3665A	436248
180-157020-3	ISMP-LP1-3	Total/NA	Solid	3665A	436248
180-157020-4	ISMP-LP1-4	Total/NA	Solid	3665A	436248
180-157020-5	ISMP-LP1-5	Total/NA	Solid	3665A	436248
180-157020-6	ISMP-LP2-1	Total/NA	Solid	3665A	436248

GC Semi VOA (Continued)

Cleanup Batch: 436275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-7	ISMP-LP2-2	Total/NA	Solid	3665A	436248
180-157020-8	ISMP-LP2-3	Total/NA	Solid	3665A	436248
180-157020-9	ISMP-LP2-4	Total/NA	Solid	3665A	436248
180-157020-10	ISMP-LP2-5	Total/NA	Solid	3665A	436248
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	3665A	436248
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	3665A	436248
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	3665A	436248

Cleanup Batch: 436276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	3660B	436275
180-157020-2	ISMP-LP1-2	Total/NA	Solid	3660B	436275
180-157020-3	ISMP-LP1-3	Total/NA	Solid	3660B	436275
180-157020-4	ISMP-LP1-4	Total/NA	Solid	3660B	436275
180-157020-5	ISMP-LP1-5	Total/NA	Solid	3660B	436275
180-157020-6	ISMP-LP2-1	Total/NA	Solid	3660B	436275
180-157020-7	ISMP-LP2-2	Total/NA	Solid	3660B	436275
180-157020-8	ISMP-LP2-3	Total/NA	Solid	3660B	436275
180-157020-9	ISMP-LP2-4	Total/NA	Solid	3660B	436275
180-157020-10	ISMP-LP2-5	Total/NA	Solid	3660B	436275
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	3660B	436275
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	3660B	436275
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	3660B	436275

Analysis Batch: 436281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	EPA 8082A	436276
180-157020-2	ISMP-LP1-2	Total/NA	Solid	EPA 8082A	436276
180-157020-3	ISMP-LP1-3	Total/NA	Solid	EPA 8082A	436276
180-157020-4	ISMP-LP1-4	Total/NA	Solid	EPA 8082A	436276
180-157020-5	ISMP-LP1-5	Total/NA	Solid	EPA 8082A	436276
180-157020-6	ISMP-LP2-1	Total/NA	Solid	EPA 8082A	436276
180-157020-7	ISMP-LP2-2	Total/NA	Solid	EPA 8082A	436276
180-157020-8	ISMP-LP2-3	Total/NA	Solid	EPA 8082A	436276
180-157020-9	ISMP-LP2-4	Total/NA	Solid	EPA 8082A	436276
180-157020-10	ISMP-LP2-5	Total/NA	Solid	EPA 8082A	436276
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	EPA 8082A	436276
MB 180-436248/1-A	Method Blank	Total/NA	Solid	EPA 8082A	436248
LCS 180-436248/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	436248
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	EPA 8082A	436276
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	EPA 8082A	436276

Metals

Prep Batch: 436289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	3050B	
180-157020-2	ISMP-LP1-2	Total/NA	Solid	3050B	
180-157020-3	ISMP-LP1-3	Total/NA	Solid	3050B	
180-157020-4	ISMP-LP1-4	Total/NA	Solid	3050B	
180-157020-5	ISMP-LP1-5	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 436289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-6	ISMP-LP2-1	Total/NA	Solid	3050B	
180-157020-7	ISMP-LP2-2	Total/NA	Solid	3050B	
180-157020-8	ISMP-LP2-3	Total/NA	Solid	3050B	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	3050B	
180-157020-10	ISMP-LP2-5	Total/NA	Solid	3050B	
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	3050B	
MB 180-436289/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-436289/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	3050B	
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	3050B	

Prep Batch: 437069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	7471B	
180-157020-2	ISMP-LP1-2	Total/NA	Solid	7471B	
180-157020-3	ISMP-LP1-3	Total/NA	Solid	7471B	
180-157020-4	ISMP-LP1-4	Total/NA	Solid	7471B	
180-157020-5	ISMP-LP1-5	Total/NA	Solid	7471B	
180-157020-6	ISMP-LP2-1	Total/NA	Solid	7471B	
180-157020-7	ISMP-LP2-2	Total/NA	Solid	7471B	
180-157020-8	ISMP-LP2-3	Total/NA	Solid	7471B	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	7471B	
180-157020-10	ISMP-LP2-5	Total/NA	Solid	7471B	
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	7471B	
MB 180-437069/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-437069/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	7471B	
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	7471B	

Analysis Batch: 437295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	EPA 7471B	437069
180-157020-2	ISMP-LP1-2	Total/NA	Solid	EPA 7471B	437069
180-157020-3	ISMP-LP1-3	Total/NA	Solid	EPA 7471B	437069
180-157020-4	ISMP-LP1-4	Total/NA	Solid	EPA 7471B	437069
180-157020-5	ISMP-LP1-5	Total/NA	Solid	EPA 7471B	437069
180-157020-6	ISMP-LP2-1	Total/NA	Solid	EPA 7471B	437069
180-157020-7	ISMP-LP2-2	Total/NA	Solid	EPA 7471B	437069
180-157020-8	ISMP-LP2-3	Total/NA	Solid	EPA 7471B	437069
180-157020-9	ISMP-LP2-4	Total/NA	Solid	EPA 7471B	437069
180-157020-10	ISMP-LP2-5	Total/NA	Solid	EPA 7471B	437069
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	EPA 7471B	437069
MB 180-437069/1-A	Method Blank	Total/NA	Solid	EPA 7471B	437069
LCS 180-437069/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	437069
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	EPA 7471B	437069
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	EPA 7471B	437069

Analysis Batch: 437492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	EPA 6010C	436289
180-157020-2	ISMP-LP1-2	Total/NA	Solid	EPA 6010C	436289

Metals (Continued)

Analysis Batch: 437492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-3	ISMP-LP1-3	Total/NA	Solid	EPA 6010C	436289
180-157020-4	ISMP-LP1-4	Total/NA	Solid	EPA 6010C	436289
180-157020-5	ISMP-LP1-5	Total/NA	Solid	EPA 6010C	436289
180-157020-6	ISMP-LP2-1	Total/NA	Solid	EPA 6010C	436289
180-157020-7	ISMP-LP2-2	Total/NA	Solid	EPA 6010C	436289
180-157020-8	ISMP-LP2-3	Total/NA	Solid	EPA 6010C	436289
180-157020-9	ISMP-LP2-4	Total/NA	Solid	EPA 6010C	436289
180-157020-10	ISMP-LP2-5	Total/NA	Solid	EPA 6010C	436289
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	EPA 6010C	436289
MB 180-436289/1-A	Method Blank	Total/NA	Solid	EPA 6010C	436289
LCS 180-436289/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	436289
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	EPA 6010C	436289
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	EPA 6010C	436289

Analysis Batch: 437755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	EPA 6010C	436289
180-157020-2	ISMP-LP1-2	Total/NA	Solid	EPA 6010C	436289
180-157020-3	ISMP-LP1-3	Total/NA	Solid	EPA 6010C	436289
180-157020-4	ISMP-LP1-4	Total/NA	Solid	EPA 6010C	436289
180-157020-5	ISMP-LP1-5	Total/NA	Solid	EPA 6010C	436289
180-157020-6	ISMP-LP2-1	Total/NA	Solid	EPA 6010C	436289
180-157020-7	ISMP-LP2-2	Total/NA	Solid	EPA 6010C	436289
180-157020-8	ISMP-LP2-3	Total/NA	Solid	EPA 6010C	436289
180-157020-9	ISMP-LP2-4	Total/NA	Solid	EPA 6010C	436289
180-157020-10	ISMP-LP2-5	Total/NA	Solid	EPA 6010C	436289
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	EPA 6010C	436289
MB 180-436289/1-A	Method Blank	Total/NA	Solid	EPA 6010C	436289
LCS 180-436289/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	436289
180-157020-4 MS	ISMP-LP1-4	Total/NA	Solid	EPA 6010C	436289
180-157020-4 MSD	ISMP-LP1-4	Total/NA	Solid	EPA 6010C	436289

General Chemistry

Analysis Batch: 436662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-157020-1	ISMP-LP1-1	Total/NA	Solid	2540G	
180-157020-2	ISMP-LP1-2	Total/NA	Solid	2540G	
180-157020-3	ISMP-LP1-3	Total/NA	Solid	2540G	
180-157020-4	ISMP-LP1-4	Total/NA	Solid	2540G	
180-157020-5	ISMP-LP1-5	Total/NA	Solid	2540G	
180-157020-6	ISMP-LP2-1	Total/NA	Solid	2540G	
180-157020-7	ISMP-LP2-2	Total/NA	Solid	2540G	
180-157020-8	ISMP-LP2-3	Total/NA	Solid	2540G	
180-157020-9	ISMP-LP2-4	Total/NA	Solid	2540G	
180-157020-10	ISMP-LP2-5	Total/NA	Solid	2540G	
180-157020-11	ISMP-LP-DUP	Total/NA	Solid	2540G	
180-157020-1 DU	ISMP-LP1-1	Total/NA	Solid	2540G	

Pittsburgh

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins Environment Testing TestAmerica

6/19/2023

Client Information	Sampler: Amanda Castignetti	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): Standard - 10-day		A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: MD, 21044	PO #: MN08321		
Phone: 40-381-4333	WO #:		Other:
Email: akrasnopoler@geosyntec.com	Project #: 18013464		
Project Name: Former Sperry Remington Site	SSOW#:		
Site:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
ISMP-LP1-1	5/23/23	14:30	G	S	N	N	X	X	X	X			6	
ISMP-LP1-2	5/23/23	14:40	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP1-3	5/23/23	14:50	G	S	N	N	X	X	X	X			6	
ISMP-LP1-4	5/23/23	15:00	G	S	N	Y	X	X	X	X			6	MS/MSD, Total Jars: 18
ISMP-LP1-5	5/23/23	15:20	G	S	N	N	X	X	X	X			6	
ISMP-LP2-1	5/23/23	13:30	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-2	5/23/23	13.40	G	S	N	N	X	X	X	X			6	
ISMP-LP2-3	5/23/23	13.50	G	S	N	N	X	X	X	X	X	X	16	
ISMP-LP2-4	5/23/23	14.00	G	S	N	N	X	X	X	X	X	X	18	
ISMP-LP2-5	5/23/23	14:10	G	S	N	N	X	X	X	X			6	
ISMP-LP-DUP	5/23/23	—	G	S	N	N	X	X	X	X			6	

180-157020 Chain of Custody

Page 88 of 91

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 5/23/23, 1700	Company: STERLING	Received by:	Date/Time: 5-24-23 0944	Company: FHNF
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Sacramento

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Amanda Castignetti	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard - 10-day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

180-157020 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
ISMP-LP1-1	5/23/23	14:30	G	S	N	N	X	X	X	X			6	
ISMP-LP1-2	5/23/23	14:40	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP1-3	5/23/23	14:50	G	S	N	N	X	X	X	X			6	
ISMP-LP1-4	5/23/23	15:00	G	S	N	Y	X	X	X	X			6	MS/MSD; Total Jars: 18
ISMP-LP1-5	5/23/23	15:20	G	S	N	N	X	X	X	X			6	
ISMP-LP2-1	5/23/23	13:30	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-2	5/23/23	13:40	G	S	N	N	X	X	X	X			6	
ISMP-LP2-3	5/23/23	13:50	G	S	N	N	X	X	X	X			6	
ISMP-LP2-4	5/23/23	14:00	G	S	N	N	X	X	X	X	X	X	8	
ISMP-LP2-5	5/23/23	14:10	G	S	N	N	X	X	X	X			6	
ISMP-LP-DUP	5/23/23	—	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
1		5/23/23, 1700	STERLING		5/24/23 0925	EETSL
2	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
3	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 2133977

Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-157020 Field Sheet

Job: _____

Tracking # : 7722 0133 1096

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C03 Corr. Factor: (+ / -) N/A °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 2133977

Cooler ID: _____

Temp Observed: 1.4 °C Corrected: 1.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 5/24/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 5/24/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: D Date: 5/24/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-157020-1

Login Number: 157020
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/12/2023 4:06:34 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-158808-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-158808-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-158808-1

Receipt
The samples were received on 7/6/2023 at the Eurofins Pittsburgh, PA laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-439779 recovered above the control limits for the following analytes: Vinyl chloride and Chloromethane. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-439779 was below criteria for the following analytes: Carbon disulfide, 2-Hexanone, and 1,1-Dichloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-439779 was above criteria for the following analytes: Trichlorofluoromethane, Vinyl chloride, Chloroethane, Dichlorodifluoromethane, Chloromethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-439971 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-MSA-B74A (180-158808-1) had several recoveries and the RPD between the spikes for antimony outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-158808-1	SSHS-IRM5A2-MSA-B74A	Solid	07/05/23 16:00	07/06/23 09:25
180-158808-2	SSHS-IRM5A2-MSA-B74B	Solid	07/05/23 16:05	07/06/23 09:25
180-158808-3	SSHS-IRM5A2-DUP304	Solid	07/05/23 00:00	07/06/23 09:25

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Lab Sample ID: 180-158808-1
Date Collected: 07/05/23 16:00
Matrix: Solid
Date Received: 07/06/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			439718	07/06/23 15:43	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Lab Sample ID: 180-158808-1
Date Collected: 07/05/23 16:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1625 g	5 mL	439799	07/07/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439779	07/07/23 14:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	439815	07/07/23 16:48	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	439971	07/11/23 10:51	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	439902	07/10/23 08:51	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	439958	07/11/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	439959	07/11/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	439964	07/11/23 08:50	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.75 g	50 mL	439772	07/07/23 09:12	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440007	07/10/23 17:54	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.75 g	50 mL	439772	07/07/23 09:12	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 18:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	439766	07/07/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			439913	07/10/23 08:25	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2
Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			439718	07/06/23 15:43	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2
Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	439799	07/07/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439779	07/07/23 14:17	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2
Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	439815	07/07/23 16:48	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	439971	07/11/23 11:12	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	439902	07/10/23 08:51	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	439958	07/11/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	439959	07/11/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	439964	07/11/23 09:08	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.75 g	50 mL	439772	07/07/23 09:12	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440007	07/10/23 18:28	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.75 g	50 mL	439772	07/07/23 09:12	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 18:29	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	439766	07/07/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			439913	07/10/23 08:28	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3
Date Collected: 07/05/23 00:00
Matrix: Solid
Date Received: 07/06/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			439718	07/06/23 15:43	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3
Date Collected: 07/05/23 00:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0023 g	5 mL	439799	07/07/23 07:18	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439779	07/07/23 13:55	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	439815	07/07/23 16:48	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	439971	07/11/23 11:34	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	439902	07/10/23 08:51	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	439958	07/11/23 04:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	439959	07/11/23 04:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	439964	07/11/23 09:25	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.86 g	50 mL	439772	07/07/23 09:12	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440007	07/10/23 18:33	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3

Date Collected: 07/05/23 00:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.86 g	50 mL	439772	07/07/23 09:12	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 18:34	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	439766	07/07/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			439913	07/10/23 08:29	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JSM = Joseph Moore
- MEG = Megan Gray
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- JMO = John Oravec
- PJJ = Patrick Journet
- RJR = Ron Rosenbaum
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Lab Sample ID: 180-158808-1
Date Collected: 07/05/23 16:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Chloromethane	ND	*+	5.1	2.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Lab Sample ID: 180-158808-1
Date Collected: 07/05/23 16:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Vinyl chloride	ND	*+	5.1	3.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*07/07/23 07:18*	*07/07/23 14:40*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/07/23 07:18*	*07/07/23 14:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*07/07/23 07:18*	*07/07/23 14:40*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/07/23 07:18*	*07/07/23 14:40*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Acenaphthylene	ND		69	15	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Acetophenone	ND		690	120	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Anthracene	ND		69	18	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Atrazine	ND		690	150	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Benzaldehyde	ND		690	43	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Caprolactam	ND		1800	220	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Carbazole	ND		69	16	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Chrysene	ND		69	38	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Lab Sample ID: 180-158808-1
Date Collected: 07/05/23 16:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Fluoranthene	ND		69	18	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Fluorene	ND		69	14	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Isophorone	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2-Methylphenol	ND		340	99	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Naphthalene	ND		69	13	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
3-Nitroaniline	ND		1800	87	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Nitrobenzene	ND		690	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Phenanthrene	ND		69	18	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Phenol	ND		340	100	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
Pyrene	ND		69	16	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	07/07/23 16:48	07/11/23 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/07/23 16:48*	*07/11/23 10:51*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*07/07/23 16:48*	*07/11/23 10:51*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*07/07/23 16:48*	*07/11/23 10:51*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*07/07/23 16:48*	*07/11/23 10:51*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*07/07/23 16:48*	*07/11/23 10:51*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*34 - 108*	*07/07/23 16:48*	*07/11/23 10:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1221	ND		17	6.1	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1248	ND		17	4.2	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Lab Sample ID: 180-158808-1

Date Collected: 07/05/23 16:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 95.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.1	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/10/23 08:51	07/11/23 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/10/23 08:51*	*07/11/23 08:50*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/10/23 08:51*	*07/11/23 08:50*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*55 - 135*	*07/10/23 08:51*	*07/11/23 08:50*	*1*
Tetrachloro-m-xylene (Surr)	*64*		*55 - 135*	*07/10/23 08:51*	*07/11/23 08:50*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		14	3.5	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Antimony	**0.94**	**F2 F1**	0.70	0.21	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Arsenic	**10**		0.70	0.44	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Barium	**100**	**F1**	14	2.5	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Beryllium	**0.55**		0.28	0.076	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Cadmium	**0.17**	**J**	0.35	0.051	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Calcium	**7500**		350	45	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Chromium	**16**		0.35	0.32	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Cobalt	**13**		3.5	0.49	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Copper	**25**		1.8	1.1	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Iron	**26000**		7.0	6.8	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Lead	**15**		0.70	0.61	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Magnesium	**4300**	**F1**	350	38	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Manganese	**550**		1.1	0.19	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Nickel	**29**		2.8	0.35	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Potassium	**1000**	**F1**	350	60	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Selenium	ND		0.70	0.32	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Silver	ND		0.35	0.073	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Sodium	**88**	**J B**	350	36	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Thallium	**0.50**	**J**	1.4	0.20	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1
Vanadium	**18**		3.5	0.55	mg/Kg	☼	07/07/23 09:12	07/11/23 18:00	1
Zinc	**67**	**B**	1.4	1.0	mg/Kg	☼	07/07/23 09:12	07/10/23 17:54	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/07/23 10:15	07/10/23 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.9**		0.1	0.1	%			07/06/23 15:43	1
Percent Solids (SM22 2540G)	**95.1**		0.1	0.1	%			07/06/23 15:43	1

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2

Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2
Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Chloromethane	ND	*+	5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2

Date Collected: 07/05/23 16:05
Matrix: Solid

Date Received: 07/06/23 09:25
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Vinyl chloride	ND	*+	5.3	3.8	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/07/23 07:18	07/07/23 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/07/23 07:18*	*07/07/23 14:17*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/07/23 07:18*	*07/07/23 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*07/07/23 07:18*	*07/07/23 14:17*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*07/07/23 07:18*	*07/07/23 14:17*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Acenaphthylene	ND		71	15	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Acetophenone	ND		710	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Anthracene	ND		71	18	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Atrazine	ND		710	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Carbazole	ND		71	16	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Chrysene	ND		71	39	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2
Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Fluoranthene	ND		71	19	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Fluorene	ND		71	14	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Isophorone	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Naphthalene	ND		71	14	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Phenanthrene	ND		71	19	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Phenol	ND		350	110	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
Pyrene	ND		71	17	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/07/23 16:48*	*07/11/23 11:12*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*07/07/23 16:48*	*07/11/23 11:12*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*07/07/23 16:48*	*07/11/23 11:12*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*07/07/23 16:48*	*07/11/23 11:12*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*07/07/23 16:48*	*07/11/23 11:12*	*1*
2,4,6-Tribromophenol (Surr)	*44*		*34 - 108*	*07/07/23 16:48*	*07/11/23 11:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/10/23 08:51	07/11/23 09:08	1

Client Sample ID: SSHS-IRM5A2-MSA-B74B
Lab Sample ID: 180-158808-2

Date Collected: 07/05/23 16:05
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/10/23 08:51*	*07/11/23 09:08*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/10/23 08:51*	*07/11/23 09:08*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/10/23 08:51*	*07/11/23 09:08*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/10/23 08:51*	*07/11/23 09:08*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		14	3.5	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Antimony	**0.65**	**J**	0.71	0.21	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Arsenic	**10**		0.71	0.44	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Barium	**94**		14	2.5	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Beryllium	**0.55**		0.28	0.077	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Cadmium	**0.16**	**J**	0.35	0.052	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Calcium	**4800**		350	46	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Chromium	**16**		0.35	0.32	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Cobalt	**14**		3.5	0.50	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Copper	**25**		1.8	1.1	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Iron	**27000**		7.1	6.9	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Lead	**16**		0.71	0.62	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Magnesium	**4200**		350	39	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Manganese	**550**		1.1	0.20	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Nickel	**30**		2.8	0.36	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Potassium	**1000**		350	60	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Selenium	ND		0.71	0.33	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Silver	ND		0.35	0.074	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Sodium	**72**	**J B**	350	36	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Thallium	**0.65**	**J**	1.4	0.20	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1
Vanadium	**19**		3.5	0.56	mg/Kg	☼	07/07/23 09:12	07/11/23 18:29	1
Zinc	**71**	**B**	1.4	1.0	mg/Kg	☼	07/07/23 09:12	07/10/23 18:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	07/07/23 10:15	07/10/23 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.0**		0.1	0.1	%			07/06/23 15:43	1
Percent Solids (SM22 2540G)	**94.0**		0.1	0.1	%			07/06/23 15:43	1

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3

Date Collected: 07/05/23 00:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3
Date Collected: 07/05/23 00:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Chloromethane	ND	*+	5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Vinyl chloride	ND	*+	5.3	3.8	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/07/23 07:18	07/07/23 13:55	1

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3

Date Collected: 07/05/23 00:00
Matrix: Solid
Date Received: 07/06/23 09:25
Percent Solids: 94.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*07/07/23 07:18*	*07/07/23 13:55*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*07/07/23 07:18*	*07/07/23 13:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*07/07/23 07:18*	*07/07/23 13:55*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*07/07/23 07:18*	*07/07/23 13:55*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Acetophenone	ND		700	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Anthracene	ND		70	18	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Atrazine	ND		700	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Carbazole	ND		70	16	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Chrysene	ND		70	39	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Fluorene	ND		70	14	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3

Date Collected: 07/05/23 00:00
Matrix: Solid

Date Received: 07/06/23 09:25
Percent Solids: 94.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Isophorone	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Naphthalene	ND		70	14	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Phenol	ND		350	110	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
Pyrene	ND		70	17	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/07/23 16:48	07/11/23 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*07/07/23 16:48*	*07/11/23 11:34*	*1*
2-Fluorophenol (Surr)	*100*		*48 - 105*	*07/07/23 16:48*	*07/11/23 11:34*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*07/07/23 16:48*	*07/11/23 11:34*	*1*
Phenol-d5 (Surr)	*99*		*46 - 105*	*07/07/23 16:48*	*07/11/23 11:34*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*07/07/23 16:48*	*07/11/23 11:34*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*07/07/23 16:48*	*07/11/23 11:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/10/23 08:51	07/11/23 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/10/23 08:51*	*07/11/23 09:25*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/10/23 08:51*	*07/11/23 09:25*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/10/23 08:51*	*07/11/23 09:25*	*1*

Client Sample ID: SSHS-IRM5A2-DUP304
Lab Sample ID: 180-158808-3

Date Collected: 07/05/23 00:00
Matrix: Solid

Date Received: 07/06/23 09:25
Percent Solids: 94.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*07/10/23 08:51*	*07/11/23 09:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		12	3.1	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Antimony	**0.57**	**J**	0.62	0.19	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Arsenic	**7.2**		0.62	0.39	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Barium	**72**		12	2.2	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Beryllium	**0.42**		0.25	0.067	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Cadmium	**0.12**	**J**	0.31	0.045	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Calcium	**3600**		310	40	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Chromium	**13**		0.31	0.28	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Cobalt	**11**		3.1	0.43	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Copper	**23**		1.5	0.93	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Iron	**22000**		6.2	6.0	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Lead	**11**		0.62	0.54	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Magnesium	**3400**		310	34	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Manganese	**380**		0.93	0.17	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Nickel	**23**		2.5	0.31	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Potassium	**790**		310	53	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Selenium	ND		0.62	0.28	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Silver	ND		0.31	0.064	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Sodium	**50**	**J B**	310	32	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Thallium	**0.48**	**J**	1.2	0.18	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1
Vanadium	**15**		3.1	0.49	mg/Kg	☼	07/07/23 09:12	07/11/23 18:34	1
Zinc	**54**	**B**	1.2	0.90	mg/Kg	☼	07/07/23 09:12	07/10/23 18:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	07/07/23 10:15	07/10/23 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.8**		0.1	0.1	%			07/06/23 15:43	1
Percent Solids (SM22 2540G)	**94.2**		0.1	0.1	%			07/06/23 15:43	1

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-439779/7
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/07/23 13:10	1
Benzene	ND		5.0	1.4	ug/Kg			07/07/23 13:10	1
Bromoform	ND		5.0	2.5	ug/Kg			07/07/23 13:10	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/07/23 13:10	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/07/23 13:10	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/07/23 13:10	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/07/23 13:10	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/07/23 13:10	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/07/23 13:10	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/07/23 13:10	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/07/23 13:10	1
Chloroform	ND		5.0	3.4	ug/Kg			07/07/23 13:10	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/07/23 13:10	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/07/23 13:10	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/07/23 13:10	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/07/23 13:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/07/23 13:10	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/07/23 13:10	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/07/23 13:10	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/07/23 13:10	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/07/23 13:10	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/07/23 13:10	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/07/23 13:10	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/07/23 13:10	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/07/23 13:10	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/07/23 13:10	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/07/23 13:10	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/07/23 13:10	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/07/23 13:10	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/07/23 13:10	1
2-Hexanone	ND		25	1.6	ug/Kg			07/07/23 13:10	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/07/23 13:10	1
Methyl acetate	ND		25	7.4	ug/Kg			07/07/23 13:10	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/07/23 13:10	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/07/23 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/07/23 13:10	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/07/23 13:10	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/07/23 13:10	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/07/23 13:10	1
Styrene	ND		5.0	1.5	ug/Kg			07/07/23 13:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/07/23 13:10	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/07/23 13:10	1
Toluene	ND		5.0	1.4	ug/Kg			07/07/23 13:10	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/07/23 13:10	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/07/23 13:10	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/07/23 13:10	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/07/23 13:10	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/07/23 13:10	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-439779/7
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/07/23 13:10	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/07/23 13:10	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/07/23 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/07/23 13:10	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/07/23 13:10	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/07/23 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*07/07/23 13:10*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*		*07/07/23 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*		*07/07/23 13:10*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*07/07/23 13:10*	*1*

Lab Sample ID: LCS 180-439779/3
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	30.0		ug/Kg		75	23 - 170
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	35.5		ug/Kg		89	37 - 147
Bromomethane	40.0	39.0		ug/Kg		97	47 - 149
2-Butanone (MEK)	40.0	31.6		ug/Kg		79	39 - 157
Carbon disulfide	40.0	21.2		ug/Kg		53	40 - 156
Carbon tetrachloride	40.0	35.6		ug/Kg		89	73 - 130
Chlorobenzene	40.0	38.3		ug/Kg		96	79 - 122
Chlorobromomethane	40.0	38.0		ug/Kg		95	64 - 128
Chlorodibromomethane	40.0	36.4		ug/Kg		91	60 - 134
Chloroethane	40.0	34.8		ug/Kg		87	37 - 159
Chloroform	40.0	40.4		ug/Kg		101	73 - 126
Chloromethane	40.0	62.7	*+	ug/Kg		157	46 - 151
cis-1,2-Dichloroethene	40.0	39.0		ug/Kg		98	77 - 118
cis-1,3-Dichloropropene	40.0	39.4		ug/Kg		98	73 - 127
Cyclohexane	40.0	32.6		ug/Kg		82	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	36.9		ug/Kg		92	30 - 163
1,2-Dibromoethane	40.0	40.7		ug/Kg		102	59 - 137
1,2-Dichlorobenzene	40.0	39.0		ug/Kg		98	76 - 120
1,3-Dichlorobenzene	40.0	38.9		ug/Kg		97	77 - 121
1,4-Dichlorobenzene	40.0	38.7		ug/Kg		97	79 - 120
Dichlorobromomethane	40.0	40.1		ug/Kg		100	75 - 123
Dichlorodifluoromethane	40.0	54.2		ug/Kg		136	26 - 149
1,1-Dichloroethane	40.0	38.4		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	38.4		ug/Kg		96	64 - 140
1,1-Dichloroethene	40.0	28.9		ug/Kg		72	55 - 136
1,2-Dichloroethene, Total	80.0	75.4		ug/Kg		94	77 - 119
1,2-Dichloropropane	40.0	39.8		ug/Kg		100	77 - 119
1,4-Dioxane	800	1050		ug/Kg		132	18 - 166
Ethylbenzene	40.0	39.4		ug/Kg		98	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-439779/3
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Hexanone			40.0	30.1		ug/Kg		75	42 - 152		
Isopropylbenzene			40.0	39.3		ug/Kg		98	70 - 125		
Methyl acetate			80.0	118		ug/Kg		147	20 - 170		
Methylcyclohexane			40.0	35.5		ug/Kg		89	70 - 125		
Methylene Chloride			40.0	36.9		ug/Kg		92	67 - 131		
4-Methyl-2-pentanone (MIBK)			40.0	36.7		ug/Kg		92	51 - 147		
Methyl tert-butyl ether			40.0	36.9		ug/Kg		92	58 - 132		
m-Xylene & p-Xylene			40.0	39.1		ug/Kg		98	77 - 120		
o-Xylene			40.0	39.3		ug/Kg		98	78 - 118		
Styrene			40.0	39.3		ug/Kg		98	80 - 120		
1,1,2,2-Tetrachloroethane			40.0	41.2		ug/Kg		103	36 - 170		
Tetrachloroethene			40.0	37.9		ug/Kg		95	71 - 121		
Toluene			40.0	40.0		ug/Kg		100	76 - 120		
trans-1,2-Dichloroethene			40.0	36.4		ug/Kg		91	75 - 122		
trans-1,3-Dichloropropene			40.0	38.4		ug/Kg		96	68 - 133		
1,2,3-Trichlorobenzene			40.0	40.3		ug/Kg		101	29 - 166		
1,2,4-Trichlorobenzene			40.0	39.4		ug/Kg		99	22 - 170		
1,1,1-Trichloroethane			40.0	37.2		ug/Kg		93	72 - 134		
1,1,2-Trichloroethane			40.0	41.2		ug/Kg		103	66 - 128		
Trichloroethene			40.0	37.4		ug/Kg		93	69 - 118		
Trichlorofluoromethane			40.0	59.2		ug/Kg		148	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	30.8		ug/Kg		77	59 - 135		
Vinyl chloride			40.0	58.1	*+	ug/Kg		145	64 - 134		
Xylenes, Total			80.0	78.4		ug/Kg		98	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*108*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*113*		*67 - 134*

Lab Sample ID: LCSD 180-439779/4
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	36.9		ug/Kg		92	23 - 170	21	35
Benzene			40.0	40.9		ug/Kg		102	77 - 120	3	20
Bromoform			40.0	34.5		ug/Kg		86	37 - 147	3	23
Bromomethane			40.0	35.9		ug/Kg		90	47 - 149	8	25
2-Butanone (MEK)			40.0	36.2		ug/Kg		90	39 - 157	14	33
Carbon disulfide			40.0	21.9		ug/Kg		55	40 - 156	4	25
Carbon tetrachloride			40.0	37.0		ug/Kg		93	73 - 130	4	21
Chlorobenzene			40.0	40.1		ug/Kg		100	79 - 122	4	20
Chlorobromomethane			40.0	38.0		ug/Kg		95	64 - 128	0	20
Chlorodibromomethane			40.0	37.2		ug/Kg		93	60 - 134	2	40
Chloroethane			40.0	34.6		ug/Kg		86	37 - 159	1	25
Chloroform			40.0	41.8		ug/Kg		105	73 - 126	4	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-439779/4
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	61.3	*+	ug/Kg		153	46 - 151	2	33
cis-1,2-Dichloroethene			40.0	40.7		ug/Kg		102	77 - 118	4	20
cis-1,3-Dichloropropene			40.0	40.9		ug/Kg		102	73 - 127	4	20
Cyclohexane			40.0	33.8		ug/Kg		85	63 - 143	4	25
1,2-Dibromo-3-Chloropropane			40.0	36.5		ug/Kg		91	30 - 163	1	34
1,2-Dibromoethane			40.0	40.7		ug/Kg		102	59 - 137	0	20
1,2-Dichlorobenzene			40.0	40.7		ug/Kg		102	76 - 120	4	20
1,3-Dichlorobenzene			40.0	40.9		ug/Kg		102	77 - 121	5	20
1,4-Dichlorobenzene			40.0	40.8		ug/Kg		102	79 - 120	5	20
Dichlorobromomethane			40.0	40.7		ug/Kg		102	75 - 123	1	20
Dichlorodifluoromethane			40.0	52.7		ug/Kg		132	26 - 149	3	24
1,1-Dichloroethane			40.0	39.6		ug/Kg		99	73 - 124	3	20
1,2-Dichloroethane			40.0	39.4		ug/Kg		99	64 - 140	3	20
1,1-Dichloroethene			40.0	30.9		ug/Kg		77	55 - 136	7	21
1,2-Dichloroethene, Total			80.0	78.6		ug/Kg		98	77 - 119	4	20
1,2-Dichloropropane			40.0	41.4		ug/Kg		104	77 - 119	4	20
1,4-Dioxane			800	928	J	ug/Kg		116	18 - 166	13	40
Ethylbenzene			40.0	40.9		ug/Kg		102	79 - 119	4	20
2-Hexanone			40.0	32.7		ug/Kg		82	42 - 152	8	30
Isopropylbenzene			40.0	41.5		ug/Kg		104	70 - 125	5	21
Methyl acetate			80.0	128		ug/Kg		161	20 - 170	9	33
Methylcyclohexane			40.0	37.6		ug/Kg		94	70 - 125	6	22
Methylene Chloride			40.0	38.9		ug/Kg		97	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)			40.0	36.5		ug/Kg		91	51 - 147	0	27
Methyl tert-butyl ether			40.0	37.0		ug/Kg		93	58 - 132	0	24
m-Xylene & p-Xylene			40.0	40.8		ug/Kg		102	77 - 120	4	20
o-Xylene			40.0	40.8		ug/Kg		102	78 - 118	4	20
Styrene			40.0	41.3		ug/Kg		103	80 - 120	5	20
1,1,2,2-Tetrachloroethane			40.0	38.9		ug/Kg		97	36 - 170	6	23
Tetrachloroethene			40.0	39.6		ug/Kg		99	71 - 121	4	21
Toluene			40.0	41.1		ug/Kg		103	76 - 120	3	20
trans-1,2-Dichloroethene			40.0	37.9		ug/Kg		95	75 - 122	4	20
trans-1,3-Dichloropropene			40.0	39.5		ug/Kg		99	68 - 133	3	20
1,2,3-Trichlorobenzene			40.0	40.6		ug/Kg		101	29 - 166	1	40
1,2,4-Trichlorobenzene			40.0	40.0		ug/Kg		100	22 - 170	2	29
1,1,1-Trichloroethane			40.0	38.9		ug/Kg		97	72 - 134	5	20
1,1,2-Trichloroethane			40.0	40.4		ug/Kg		101	66 - 128	2	21
Trichloroethene			40.0	39.4		ug/Kg		98	69 - 118	5	20
Trichlorofluoromethane			40.0	54.5		ug/Kg		136	32 - 149	8	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	31.2		ug/Kg		78	59 - 135	1	28
Vinyl chloride			40.0	57.1	*+	ug/Kg		143	64 - 134	2	23
Xylenes, Total			80.0	81.6		ug/Kg		102	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*60 - 124*
Dibromofluoromethane (Surr)	*113*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-439779/4
Matrix: Solid
Analysis Batch: 439779

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	117		67 - 134

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-439815/1-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 439815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Acenaphthylene	ND		67	15	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Acetophenone	ND		670	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Anthracene	ND		67	17	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Atrazine	ND		670	150	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Benzaldehyde	ND		670	41	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Caprolactam	ND		1700	220	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Carbazole	ND		67	16	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4-Chloroaniline	ND		330	88	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2-Chlorophenol	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Chrysene	ND		67	37	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Dibenzofuran	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Diethyl phthalate	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
1,4-Dioxane	ND		670	100	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Fluoranthene	ND		67	18	ug/Kg		07/07/23 16:48	07/11/23 06:32	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-439815/1-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 439815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Hexachloroethane	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Isophorone	ND		330	130	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2-Methylphenol	ND		330	96	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Naphthalene	ND		67	13	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Nitrobenzene	ND		670	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2-Nitrophenol	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Phenanthrene	ND		67	18	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Phenol	ND		330	100	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
Pyrene	ND		67	16	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/07/23 16:48	07/11/23 06:32	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/07/23 16:48	07/11/23 06:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*07/07/23 16:48*	*07/11/23 06:32*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*07/07/23 16:48*	*07/11/23 06:32*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*07/07/23 16:48*	*07/11/23 06:32*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/07/23 16:48*	*07/11/23 06:32*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*07/07/23 16:48*	*07/11/23 06:32*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*07/07/23 16:48*	*07/11/23 06:32*	*1*

Lab Sample ID: LCS 180-439815/2-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4490		ug/Kg		67	50 - 100
Acenaphthylene	6670	5340		ug/Kg		80	52 - 100
Acetophenone	6670	4850		ug/Kg		73	48 - 100
Anthracene	6670	4880		ug/Kg		73	53 - 100
Atrazine	6670	4430		ug/Kg		66	49 - 103
Benzaldehyde	6670	5570		ug/Kg		83	23 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-439815/2-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	5070		ug/Kg		76	51 - 100
Benzo[a]pyrene	6670	5390		ug/Kg		81	51 - 100
Benzo[b]fluoranthene	6670	4430		ug/Kg		66	48 - 100
Benzo[g,h,i]perylene	6670	4770		ug/Kg		72	48 - 105
Benzo[k]fluoranthene	6670	4820		ug/Kg		72	19 - 100
1,1'-Biphenyl	6670	4690		ug/Kg		70	50 - 100
Bis(2-chloroethoxy)methane	6670	5040		ug/Kg		76	49 - 100
Bis(2-chloroethyl)ether	6670	5210		ug/Kg		78	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5610		ug/Kg		84	53 - 107
4-Bromophenyl phenyl ether	6670	4630		ug/Kg		69	52 - 101
Butyl benzyl phthalate	6670	5540		ug/Kg		83	52 - 107
Caprolactam	6670	4890		ug/Kg		73	48 - 111
Carbazole	6670	4920		ug/Kg		74	53 - 100
4-Chloroaniline	6670	4780		ug/Kg		72	47 - 100
4-Chloro-3-methylphenol	6670	5170		ug/Kg		78	49 - 106
2-Chloronaphthalene	6670	4830		ug/Kg		72	51 - 100
2-Chlorophenol	6670	5370		ug/Kg		81	51 - 100
4-Chlorophenyl phenyl ether	6670	4380		ug/Kg		66	52 - 100
Chrysene	6670	4680		ug/Kg		70	50 - 100
Dibenz(a,h)anthracene	6670	4900		ug/Kg		73	50 - 107
Dibenzofuran	6670	4530		ug/Kg		68	52 - 100
3,3'-Dichlorobenzidine	6670	4650		ug/Kg		70	43 - 100
2,4-Dichlorophenol	6670	5050		ug/Kg		76	53 - 101
Diethyl phthalate	6670	4930		ug/Kg		74	48 - 104
2,4-Dimethylphenol	6670	4470		ug/Kg		67	51 - 101
Dimethyl phthalate	6670	4920		ug/Kg		74	53 - 100
Di-n-butyl phthalate	6670	5060		ug/Kg		76	57 - 102
4,6-Dinitro-2-methylphenol	13300	9160		ug/Kg		69	51 - 100
2,4-Dinitrophenol	13300	8290		ug/Kg		62	33 - 101
2,4-Dinitrotoluene	6670	4930		ug/Kg		74	54 - 104
2,6-Dinitrotoluene	6670	4890		ug/Kg		73	51 - 106
Di-n-octyl phthalate	6670	6170		ug/Kg		93	41 - 106
1,4-Dioxane	6670	6000		ug/Kg		90	25 - 125
Fluoranthene	6670	4910		ug/Kg		74	55 - 100
Fluorene	6670	4570		ug/Kg		69	52 - 100
Hexachlorobenzene	6670	4250		ug/Kg		64	49 - 100
Hexachlorobutadiene	6670	3950		ug/Kg		59	38 - 107
Hexachlorocyclopentadiene	6670	2740		ug/Kg		41	33 - 117
Hexachloroethane	6670	4850		ug/Kg		73	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4990		ug/Kg		75	51 - 103
Isophorone	6670	5610		ug/Kg		84	48 - 105
2-Methylnaphthalene	6670	4810		ug/Kg		72	53 - 100
2-Methylphenol	6670	5280		ug/Kg		79	50 - 101
Methylphenol, 3 & 4	6670	5150		ug/Kg		77	50 - 103
Naphthalene	6670	4870		ug/Kg		73	51 - 100
2-Nitroaniline	6670	5630		ug/Kg		85	42 - 123
3-Nitroaniline	6670	5460		ug/Kg		82	50 - 103
4-Nitroaniline	6670	5480		ug/Kg		82	52 - 103
Nitrobenzene	6670	5380		ug/Kg		81	44 - 108

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-439815/2-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439815

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Nitrophenol			6670	5550		ug/Kg		83	55 - 107		
4-Nitrophenol			13300	11100		ug/Kg		83	30 - 134		
N-Nitrosodi-n-propylamine			6670	5160		ug/Kg		77	45 - 107		
N-Nitrosodiphenylamine			6670	5150		ug/Kg		77	52 - 100		
2,2'-oxybis[1-chloropropane]			6670	5330		ug/Kg		80	30 - 113		
Pentachlorophenol			13300	8640		ug/Kg		65	42 - 110		
Phenanthrene			6670	4640		ug/Kg		70	53 - 100		
Phenol			6670	5240		ug/Kg		79	49 - 100		
Pyrene			6670	5020		ug/Kg		75	52 - 100		
1,2,4,5-Tetrachlorobenzene			6670	4110		ug/Kg		62	41 - 104		
2,3,4,6-Tetrachlorophenol			6670	4190		ug/Kg		63	47 - 104		
2,4,5-Trichlorophenol			6670	5010		ug/Kg		75	50 - 104		
2,4,6-Trichlorophenol			6670	5100		ug/Kg		77	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*44 - 105*
2-Fluorophenol (Surr)	*83*		*48 - 105*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*
Phenol-d5 (Surr)	*80*		*46 - 105*
Terphenyl-d14 (Surr)	*64*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*

Lab Sample ID: LCSD 180-439815/3-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 439815

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	5040		ug/Kg		76	50 - 100	12	20
Acenaphthylene			6670	5910		ug/Kg		89	52 - 100	10	20
Acetophenone			6670	5070		ug/Kg		76	48 - 100	5	17
Anthracene			6670	5400		ug/Kg		81	53 - 100	10	20
Atrazine			6670	4880		ug/Kg		73	49 - 103	10	19
Benzaldehyde			6670	5640		ug/Kg		85	23 - 105	1	31
Benzo[a]anthracene			6670	5610		ug/Kg		84	51 - 100	10	21
Benzo[a]pyrene			6670	6020		ug/Kg		90	51 - 100	11	20
Benzo[b]fluoranthene			6670	5000		ug/Kg		75	48 - 100	12	20
Benzo[g,h,i]perylene			6670	5420		ug/Kg		81	48 - 105	13	19
Benzo[k]fluoranthene			6670	5410		ug/Kg		81	19 - 100	11	20
1,1'-Biphenyl			6670	5210		ug/Kg		78	50 - 100	11	19
Bis(2-chloroethoxy)methane			6670	5370		ug/Kg		81	49 - 100	6	20
Bis(2-chloroethyl)ether			6670	5440		ug/Kg		82	48 - 100	4	18
Bis(2-ethylhexyl) phthalate			6670	6250		ug/Kg		94	53 - 107	11	20
4-Bromophenyl phenyl ether			6670	5130		ug/Kg		77	52 - 101	10	20
Butyl benzyl phthalate			6670	6200		ug/Kg		93	52 - 107	11	19
Caprolactam			6670	5260		ug/Kg		79	48 - 111	7	23
Carbazole			6670	5500		ug/Kg		82	53 - 100	11	20
4-Chloroaniline			6670	5170		ug/Kg		78	47 - 100	8	20
4-Chloro-3-methylphenol			6670	5460		ug/Kg		82	49 - 106	5	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-439815/3-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 439815

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene			6670	5370		ug/Kg		81	51 - 100	11	20
2-Chlorophenol			6670	5660		ug/Kg		85	51 - 100	5	17
4-Chlorophenyl phenyl ether			6670	4870		ug/Kg		73	52 - 100	11	19
Chrysene			6670	5160		ug/Kg		77	50 - 100	10	20
Dibenz(a,h)anthracene			6670	5550		ug/Kg		83	50 - 107	12	21
Dibenzofuran			6670	5010		ug/Kg		75	52 - 100	10	19
3,3'-Dichlorobenzidine			6670	5180		ug/Kg		78	43 - 100	11	19
2,4-Dichlorophenol			6670	5430		ug/Kg		81	53 - 101	7	22
Diethyl phthalate			6670	5560		ug/Kg		83	48 - 104	12	20
2,4-Dimethylphenol			6670	4740		ug/Kg		71	51 - 101	6	32
Dimethyl phthalate			6670	5430		ug/Kg		81	53 - 100	10	21
Di-n-butyl phthalate			6670	5620		ug/Kg		84	57 - 102	10	20
4,6-Dinitro-2-methylphenol			13300	10200		ug/Kg		76	51 - 100	10	22
2,4-Dinitrophenol			13300	9440		ug/Kg		71	33 - 101	13	20
2,4-Dinitrotoluene			6670	5410		ug/Kg		81	54 - 104	9	20
2,6-Dinitrotoluene			6670	5420		ug/Kg		81	51 - 106	10	20
Di-n-octyl phthalate			6670	7020		ug/Kg		105	41 - 106	13	18
1,4-Dioxane			6670	6330		ug/Kg		95	25 - 125	5	17
Fluoranthene			6670	5460		ug/Kg		82	55 - 100	11	20
Fluorene			6670	5100		ug/Kg		76	52 - 100	11	19
Hexachlorobenzene			6670	4690		ug/Kg		70	49 - 100	10	20
Hexachlorobutadiene			6670	4270		ug/Kg		64	38 - 107	8	22
Hexachlorocyclopentadiene			6670	3110		ug/Kg		47	33 - 117	13	19
Hexachloroethane			6670	5130		ug/Kg		77	47 - 100	6	17
Indeno[1,2,3-cd]pyrene			6670	5580		ug/Kg		84	51 - 103	11	19
Isophorone			6670	5940		ug/Kg		89	48 - 105	6	20
2-Methylnaphthalene			6670	5200		ug/Kg		78	53 - 100	8	21
2-Methylphenol			6670	5520		ug/Kg		83	50 - 101	4	17
Methylphenol, 3 & 4			6670	5460		ug/Kg		82	50 - 103	6	19
Naphthalene			6670	5210		ug/Kg		78	51 - 100	7	20
2-Nitroaniline			6670	6160		ug/Kg		92	42 - 123	9	19
3-Nitroaniline			6670	5990		ug/Kg		90	50 - 103	9	20
4-Nitroaniline			6670	6080		ug/Kg		91	52 - 103	10	18
Nitrobenzene			6670	5700		ug/Kg		86	44 - 108	6	21
2-Nitrophenol			6670	6030		ug/Kg		90	55 - 107	8	19
4-Nitrophenol			13300	12100		ug/Kg		91	30 - 134	9	18
N-Nitrosodi-n-propylamine			6670	5370		ug/Kg		81	45 - 107	4	18
N-Nitrosodiphenylamine			6670	5780		ug/Kg		87	52 - 100	11	20
2,2'-oxybis[1-chloropropane]			6670	5550		ug/Kg		83	30 - 113	4	17
Pentachlorophenol			13300	9670		ug/Kg		73	42 - 110	11	20
Phenanthrene			6670	5130		ug/Kg		77	53 - 100	10	20
Phenol			6670	5430		ug/Kg		81	49 - 100	4	16
Pyrene			6670	5620		ug/Kg		84	52 - 100	11	20
1,2,4,5-Tetrachlorobenzene			6670	4620		ug/Kg		69	41 - 104	12	21
2,3,4,6-Tetrachlorophenol			6670	4650		ug/Kg		70	47 - 104	10	18
2,4,5-Trichlorophenol			6670	5510		ug/Kg		83	50 - 104	10	21
2,4,6-Trichlorophenol			6670	5650		ug/Kg		85	50 - 105	10	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-439815/3-A
Matrix: Solid
Analysis Batch: 439971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 439815

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	75		44 - 105
2-Fluorophenol (Surr)	87		48 - 105
Nitrobenzene-d5 (Surr)	82		46 - 105
Phenol-d5 (Surr)	83		46 - 105
Terphenyl-d14 (Surr)	72		39 - 105
2,4,6-Tribromophenol (Surr)	70		34 - 108

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-439902/1-A
Matrix: Solid
Analysis Batch: 439964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 439902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1221	ND		17	5.9	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1232	ND		17	4.1	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1242	ND		17	2.4	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1248	ND		17	4.0	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1254	ND		17	5.0	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1260	ND		17	4.7	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1262	ND		17	5.9	ug/Kg		07/10/23 08:51	07/11/23 07:04	1
PCB-1268	ND		17	2.2	ug/Kg		07/10/23 08:51	07/11/23 07:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	114		63 - 138	07/10/23 08:51	07/11/23 07:04	1
DCB Decachlorobiphenyl (Surr)	110		63 - 138	07/10/23 08:51	07/11/23 07:04	1
Tetrachloro-m-xylene (Surr)	115		55 - 135	07/10/23 08:51	07/11/23 07:04	1
Tetrachloro-m-xylene (Surr)	113		55 - 135	07/10/23 08:51	07/11/23 07:04	1

Lab Sample ID: LCS 180-439902/2-A
Matrix: Solid
Analysis Batch: 439964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439902

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1260		ug/Kg		95	43 - 136		
PCB-1260			1330	1180		ug/Kg		89	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	107		63 - 138
DCB Decachlorobiphenyl (Surr)	106		63 - 138
Tetrachloro-m-xylene (Surr)	108		55 - 135
Tetrachloro-m-xylene (Surr)	106		55 - 135

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 180-439902/3-A
Matrix: Solid
Analysis Batch: 439964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 439902

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1130		ug/Kg		85	43 - 136	11	40
PCB-1260			1330	1040		ug/Kg		78	55 - 128	12	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-439772/1-A
Matrix: Solid
Analysis Batch: 440007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 439772

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.8	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Antimony	ND		0.96	0.29	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Arsenic	ND		0.96	0.60	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Barium	ND		19	3.4	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Beryllium	ND		0.38	0.10	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Cadmium	ND		0.48	0.071	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Calcium	ND		480	62	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Chromium	ND		0.48	0.44	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Cobalt	ND		4.8	0.68	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Copper	ND		2.4	1.5	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Iron	ND		9.6	9.4	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Lead	ND		0.96	0.84	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Magnesium	ND		480	53	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Manganese	ND		1.4	0.27	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Nickel	ND		3.8	0.48	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Potassium	ND		480	82	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Selenium	ND		0.96	0.44	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Silver	ND		0.48	0.10	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Sodium	102	J	480	49	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Thallium	ND		1.9	0.27	mg/Kg		07/07/23 09:12	07/10/23 17:44	1
Zinc	1.54	J	1.9	1.4	mg/Kg		07/07/23 09:12	07/10/23 17:44	1

Lab Sample ID: LCS 180-439772/2-A
Matrix: Solid
Analysis Batch: 440007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439772

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			490	491		mg/Kg		100	80 - 120
Antimony			24.5	24.8		mg/Kg		101	80 - 120
Arsenic			98.0	101		mg/Kg		103	80 - 120
Barium			98.0	93.9		mg/Kg		96	80 - 120
Beryllium			49.0	48.3		mg/Kg		99	80 - 120
Cadmium			49.0	49.4		mg/Kg		101	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-439772/2-A
Matrix: Solid
Analysis Batch: 440007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	2450	2550		mg/Kg		104	80 - 120
Chromium	49.0	49.5		mg/Kg		101	80 - 120
Cobalt	49.0	49.1		mg/Kg		100	80 - 120
Copper	49.0	53.4		mg/Kg		109	80 - 120
Iron	490	472		mg/Kg		96	80 - 120
Lead	49.0	49.7		mg/Kg		101	80 - 120
Magnesium	2450	2460		mg/Kg		100	80 - 120
Manganese	49.0	47.0		mg/Kg		96	80 - 120
Nickel	49.0	49.6		mg/Kg		101	80 - 120
Potassium	2450	2220		mg/Kg		91	80 - 120
Selenium	98.0	101		mg/Kg		103	80 - 120
Silver	24.5	25.4		mg/Kg		104	80 - 120
Sodium	2450	2510		mg/Kg		102	80 - 120
Thallium	98.0	98.2		mg/Kg		100	80 - 120
Zinc	24.5	26.5		mg/Kg		108	80 - 120

Lab Sample ID: 180-158808-1 MS
Matrix: Solid
Analysis Batch: 440007

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Prep Type: Total/NA
Prep Batch: 439772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	12000		360	12000	4	mg/Kg	☼	-4	75 - 125
Antimony	0.94	F2 F1	18.0	7.97	F1	mg/Kg	☼	39	75 - 125
Arsenic	10		72.0	79.6		mg/Kg	☼	96	75 - 125
Barium	100	F1	72.0	148	F1	mg/Kg	☼	63	75 - 125
Beryllium	0.55		36.0	31.6		mg/Kg	☼	86	75 - 125
Cadmium	0.17	J	36.0	30.9		mg/Kg	☼	85	75 - 125
Calcium	7500		1800	8940	4	mg/Kg	☼	80	75 - 125
Chromium	16		36.0	46.5		mg/Kg	☼	85	75 - 125
Cobalt	13		36.0	49.3		mg/Kg	☼	100	75 - 125
Copper	25		36.0	58.7		mg/Kg	☼	93	75 - 125
Iron	26000		360	25600	4	mg/Kg	☼	-212	75 - 125
Lead	15		36.0	54.3		mg/Kg	☼	108	75 - 125
Magnesium	4300	F1	1800	5600	F1	mg/Kg	☼	70	75 - 125
Manganese	550		36.0	499	4	mg/Kg	☼	-131	75 - 125
Nickel	29		36.0	63.5		mg/Kg	☼	97	75 - 125
Potassium	1000	F1	1800	2170	F1	mg/Kg	☼	65	75 - 125
Selenium	ND		72.0	64.4		mg/Kg	☼	89	75 - 125
Silver	ND		18.0	17.0		mg/Kg	☼	95	75 - 125
Sodium	88	J B	1800	1700		mg/Kg	☼	89	75 - 125
Thallium	0.50	J	72.0	69.2		mg/Kg	☼	95	75 - 125
Zinc	67	B	18.0	84.6		mg/Kg	☼	99	75 - 125

Lab Sample ID: 180-158808-1 MS
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Prep Type: Total/NA
Prep Batch: 439772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	18		36.0	50.6		mg/Kg	☼	90	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-158808-1 MSD
Matrix: Solid
Analysis Batch: 440007

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Prep Type: Total/NA
Prep Batch: 439772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	12000		329	12800	4	mg/Kg	☼	241	75 - 125	6	20
Antimony	0.94	F2 F1	16.4	6.46	F2 F1	mg/Kg	☼	34	75 - 125	21	20
Arsenic	10		65.7	68.7		mg/Kg	☼	89	75 - 125	15	20
Barium	100	F1	65.7	150	F1	mg/Kg	☼	72	75 - 125	1	20
Beryllium	0.55		32.9	28.0		mg/Kg	☼	83	75 - 125	12	20
Cadmium	0.17	J	32.9	27.3		mg/Kg	☼	83	75 - 125	12	20
Calcium	7500		1640	9190	4	mg/Kg	☼	103	75 - 125	3	20
Chromium	16		32.9	44.0		mg/Kg	☼	86	75 - 125	5	20
Cobalt	13		32.9	46.3		mg/Kg	☼	100	75 - 125	6	20
Copper	25		32.9	57.4		mg/Kg	☼	98	75 - 125	2	20
Iron	26000		329	28100	E 4	mg/Kg	☼	533	75 - 125	9	20
Lead	15		32.9	48.8		mg/Kg	☼	102	75 - 125	11	20
Magnesium	4300	F1	1640	5850		mg/Kg	☼	91	75 - 125	4	20
Manganese	550		32.9	531	4	mg/Kg	☼	-48	75 - 125	6	20
Nickel	29		32.9	62.7		mg/Kg	☼	104	75 - 125	1	20
Potassium	1000	F1	1640	1960	F1	mg/Kg	☼	58	75 - 125	10	20
Selenium	ND		65.7	56.9		mg/Kg	☼	87	75 - 125	12	20
Silver	ND		16.4	15.2		mg/Kg	☼	93	75 - 125	11	20
Sodium	88	J B	1640	1510		mg/Kg	☼	87	75 - 125	11	20
Thallium	0.50	J	65.7	61.9		mg/Kg	☼	93	75 - 125	11	20
Zinc	67	B	16.4	82.8	4	mg/Kg	☼	98	75 - 125	2	20

Lab Sample ID: 180-158808-1 MSD
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: SSHS-IRM5A2-MSA-B74A
Prep Type: Total/NA
Prep Batch: 439772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium	18		32.9	47.7		mg/Kg	☼	89	75 - 125	6	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-439766/1-A
Matrix: Solid
Analysis Batch: 439913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 439766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/07/23 10:15	07/10/23 08:23	1

Lab Sample ID: LCS 180-439766/2-A
Matrix: Solid
Analysis Batch: 439913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 439766

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.416		mg/Kg		100	80 - 120		

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-158808-1 MS
Client Sample ID: SSHS-IRM5A2-MSA-B74A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 439913
Prep Batch: 439766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.170	0.176		mg/Kg	☼	104	80 - 120		

Lab Sample ID: 180-158808-1 MSD
Client Sample ID: SSHS-IRM5A2-MSA-B74A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 439913
Prep Batch: 439766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.164	0.168		mg/Kg	☼	102	80 - 120	5	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-158808-1 DU
Client Sample ID: SSHS-IRM5A2-MSA-B74A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 439718

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	4.9		4.7		%		4	10
Percent Solids	95.1		95.3		%		0.2	10

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158808-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 439779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 8260C	439799
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	EPA 8260C	439799
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	EPA 8260C	439799
MB 180-439779/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-439779/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-439779/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 439799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	5035	
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	5035	
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 439815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3541	
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	3541	
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	3541	
MB 180-439815/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-439815/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-439815/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 439971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 8270D	439815
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	EPA 8270D	439815
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	EPA 8270D	439815
MB 180-439815/1-A	Method Blank	Total/NA	Solid	EPA 8270D	439815
LCS 180-439815/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	439815
LCSD 180-439815/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	439815

GC Semi VOA

Prep Batch: 439902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3541	
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	3541	
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	3541	
MB 180-439902/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-439902/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-439902/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 439958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3665A	439902
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	3665A	439902
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	3665A	439902

GC Semi VOA

Cleanup Batch: 439959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3660B	439958
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	3660B	439958
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	3660B	439958

Analysis Batch: 439964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 8082A	439959
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	EPA 8082A	439959
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	EPA 8082A	439959
MB 180-439902/1-A	Method Blank	Total/NA	Solid	EPA 8082A	439902
LCS 180-439902/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	439902
LCSD 180-439902/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	439902

Metals

Prep Batch: 439766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	7471B	
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	7471B	
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	7471B	
MB 180-439766/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-439766/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-158808-1 MS	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	7471B	
180-158808-1 MSD	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	7471B	

Prep Batch: 439772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3050B	
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	3050B	
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	3050B	
MB 180-439772/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-439772/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-158808-1 MS	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3050B	
180-158808-1 MSD	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	3050B	

Analysis Batch: 439913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 7471B	439766
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	EPA 7471B	439766
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	EPA 7471B	439766
MB 180-439766/1-A	Method Blank	Total/NA	Solid	EPA 7471B	439766
LCS 180-439766/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	439766
180-158808-1 MS	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 7471B	439766
180-158808-1 MSD	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 7471B	439766

Analysis Batch: 440007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 6010C	439772
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	EPA 6010C	439772
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	EPA 6010C	439772
MB 180-439772/1-A	Method Blank	Total/NA	Solid	EPA 6010C	439772

Metals (Continued)

Analysis Batch: 440007 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-439772/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	439772
180-158808-1 MS	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 6010C	439772
180-158808-1 MSD	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 6010C	439772

Analysis Batch: 440148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 6010C	439772
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	EPA 6010C	439772
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	EPA 6010C	439772
180-158808-1 MS	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 6010C	439772
180-158808-1 MSD	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	EPA 6010C	439772

General Chemistry

Analysis Batch: 439718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158808-1	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	2540G	
180-158808-2	SSHS-IRM5A2-MSA-B74B	Total/NA	Solid	2540G	
180-158808-3	SSHS-IRM5A2-DUP304	Total/NA	Solid	2540G	
180-158808-1 DU	SSHS-IRM5A2-MSA-B74A	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	N	N									
SSHS-IRM5A2-MSA-B74A	7/5/23	1600	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-MSA-B74B	7/5/23	1605	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-DUP304	7/5/23	--	G	S	N	N	X	X	X	X										6	

180-158808 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	7/5/23 16:45	Geosyntec		7-6-23 0925	
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Yes No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-158808-1

Login Number: 158808
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159065-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159065-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159065-1

Receipt
The samples were received on 7/12/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 3.3º C, 3.4º C, 3.5º C, 3.6º C, 3.6º C, 4.1º C and 4.2º C.

GC/MS VOA
Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S15 (180-159065-9) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440243 was below criteria for the following analytes: Carbon disulfide, Chloroethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromoform, and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440243 was above criteria for the following analytes: Acetone and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440379 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Bromoform, Bromomethane, and Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440379 was above criteria for the following analyte: Methylene Chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate Nitrobenzene-d5 and/or Terphenyl-d14 was above the control limits for the following samples: SSHS-ISMP-NAF-UT-B6 (180-159065-13) and SSHS-ISMP-NAF-UT-S18 (180-159065-15). As the surrogate recoveries were high and there were no target analytes detected in the samples, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S15 (180-159065-9) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440291 was above criteria for the following analytes: Bis(2-chloroethoxy)methane, Hexachlorocyclopentadiene, and 4-Nitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440356 was above criteria for the following analytes: Bis(2-chloroethoxy)methane and 4-Nitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Samples SSHS-ISMP-NAF-UT-S13 (180-159065-7), the matrix spike duplicate of SSHS-ISMP-NAF-UT-S15 (180-159065-9), SSHS-ISMP-NAF-UT-S17 (180-159065-14), and SSHS-ISMP-NAF-UT-S21 (180-159065-19) had the recoveries of

Job ID: 180-159065-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

surrogate decachlorobiphenyl below the control limits on one or both columns. The recoveries of tetrachloro-m-xylene were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S15 (180-159065-9) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

Method 6010C: The serial dilution performed on sample SSHS-ISMP-NAF-UT-S15 (180-159065-9) had the internal standard, indium, above criteria. This was an anomaly as the undiluted parent sample has the internal standards within criteria and the yttrium internal standards for the serial dilution were also within criteria. As the parent sample concentrations for cobalt, nickel, lead, and thallium (the analytes associated with the indium internal standard) were not sufficiently high enough to calculate a %difference, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159065-1	SSHS-ISMP-NAF-UT-S8	Solid	07/11/23 12:00	07/12/23 09:46
180-159065-2	SSHS-ISMP-NAF-UT-S9	Solid	07/11/23 12:05	07/12/23 09:46
180-159065-3	SSHS-ISMP-NAF-UT-S10	Solid	07/11/23 12:10	07/12/23 09:46
180-159065-4	SSHS-ISMP-NAF-UT-S11	Solid	07/11/23 12:15	07/12/23 09:46
180-159065-5	SSHS-ISMP-NAF-DUP9A	Solid	07/11/23 00:00	07/12/23 09:46
180-159065-6	SSHS-ISMP-NAF-UT-S12	Solid	07/11/23 12:20	07/12/23 09:46
180-159065-7	SSHS-ISMP-NAF-UT-S13	Solid	07/11/23 12:25	07/12/23 09:46
180-159065-8	SSHS-ISMP-NAF-UT-S14	Solid	07/11/23 12:30	07/12/23 09:46
180-159065-9	SSHS-ISMP-NAF-UT-S15	Solid	07/11/23 12:35	07/12/23 09:46
180-159065-10	SSHS-ISMP-NAF-UT-S16	Solid	07/11/23 12:40	07/12/23 09:46
180-159065-11	SSHS-ISMP-NAF-UT-B4	Solid	07/11/23 12:45	07/12/23 09:46
180-159065-12	SSHS-ISMP-NAF-UT-B5	Solid	07/11/23 12:50	07/12/23 09:46
180-159065-13	SSHS-ISMP-NAF-UT-B6	Solid	07/11/23 12:55	07/12/23 09:46
180-159065-14	SSHS-ISMP-NAF-UT-S17	Solid	07/11/23 14:00	07/12/23 09:46
180-159065-15	SSHS-ISMP-NAF-UT-S18	Solid	07/11/23 14:05	07/12/23 09:46
180-159065-16	SSHS-ISMP-NAF-DUP10A	Solid	07/11/23 00:00	07/12/23 09:46
180-159065-17	SSHS-ISMP-NAF-UT-S19	Solid	07/11/23 14:10	07/12/23 09:46
180-159065-18	SSHS-ISMP-NAF-UT-S20	Solid	07/11/23 14:15	07/12/23 09:46
180-159065-19	SSHS-ISMP-NAF-UT-S21	Solid	07/11/23 14:20	07/12/23 09:46
180-159065-20	SSHS-ISMP-NAF-UT-S22	Solid	07/11/23 14:25	07/12/23 09:46

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S8
Lab Sample ID: 180-159065-1
Date Collected: 07/11/23 12:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S8
Lab Sample ID: 180-159065-1
Date Collected: 07/11/23 12:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1205 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 13:52	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 15:38	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 09:07	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.76 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 13:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:09	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2262 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 15:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 16:00	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 09:25	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.76 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 13:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:14	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3
Date Collected: 07/11/23 12:10
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3
Date Collected: 07/11/23 12:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3065 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 15:46	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 16:22	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 09:43	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 13:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:15	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4
Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4
Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4262 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 16:08	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 16:44	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 10:00	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.53 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 13:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:17	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3329 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 18:07	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 17:06	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 10:18	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.59 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 13:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:18	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6
Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6
Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1627 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 16:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 17:28	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 10:36	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.57 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:02	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:22	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7
Date Collected: 07/11/23 12:25
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7
Date Collected: 07/11/23 12:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1146 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 17:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 17:50	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 10:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.54 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:23	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1329 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 17:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 18:12	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 11:11	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.90 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:24	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Lab Sample ID: 180-159065-9
Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Lab Sample ID: 180-159065-9
Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3045 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 13:29	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 14:33	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 08:14	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.74 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 13:02	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:06	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S16
Lab Sample ID: 180-159065-10
Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S16
Lab Sample ID: 180-159065-10
Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1147 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 18:02	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 18:34	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 11:29	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:25	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11
Date Collected: 07/11/23 12:45
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11
Date Collected: 07/11/23 12:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1306 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 18:25	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 18:56	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11
Date Collected: 07/11/23 12:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 11:47	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.87 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B5
Lab Sample ID: 180-159065-12
Date Collected: 07/11/23 12:50
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B5
Lab Sample ID: 180-159065-12
Date Collected: 07/11/23 12:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 18:48	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 19:18	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 12:04	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:27	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4462 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 19:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 19:39	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.5 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 12:22	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:28	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14
Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14
Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5620 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 19:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 20:01	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14
Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 12:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.64 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15
Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15
Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0301 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 19:56	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440291	07/13/23 20:23	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 12:57	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:30	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1149 g	5 mL	440286	07/13/23 07:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440243	07/13/23 20:19	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 09:43	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 13:50	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.54 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 14:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:31	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0302 g	5 mL	440444	07/14/23 07:06	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 18:29	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 10:05	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 14:08	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.76 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 15:02	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:35	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18
Date Collected: 07/11/23 14:15
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18
Date Collected: 07/11/23 14:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	440286	07/13/23 18:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 23:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 10:26	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.5 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 14:26	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.57 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 15:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19
Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19
Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4462 g	5 mL	440286	07/13/23 10:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 17:21	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 10:48	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 14:43	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 15:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:37	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20
Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20
Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4726 g	5 mL	440286	07/13/23 10:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 17:44	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440256	07/13/23 08:01	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 11:09	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20

Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	440197	07/12/23 16:20	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440215	07/13/23 05:05	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440216	07/13/23 05:07	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 15:01	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.87 g	50 mL	440225	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 15:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440224	07/13/23 09:05	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:39	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JSM = Joseph Moore
- MEG = Megan Gray
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S8
Lab Sample ID: 180-159065-1
Date Collected: 07/11/23 12:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S8
Lab Sample ID: 180-159065-1
Date Collected: 07/11/23 12:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*07/13/23 07:53*	*07/13/23 13:52*	*1*
Dibromofluoromethane (Surr)	*78*		*69 - 126*	*07/13/23 07:53*	*07/13/23 13:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*07/13/23 07:53*	*07/13/23 13:52*	*1*
Toluene-d8 (Surr)	*74*		*67 - 134*	*07/13/23 07:53*	*07/13/23 13:52*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Acenaphthylene	ND		71	15	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Acetophenone	ND		710	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Anthracene	ND		71	18	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Atrazine	ND		710	150	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Carbazole	ND		71	16	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Chrysene	ND		71	39	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S8
Lab Sample ID: 180-159065-1
Date Collected: 07/11/23 12:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Fluoranthene	ND		71	19	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Fluorene	ND		71	14	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Isophorone	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Naphthalene	ND		71	14	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Phenanthrene	ND		71	19	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Phenol	ND		350	110	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
Pyrene	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*44 - 105*	*07/13/23 08:01*	*07/13/23 15:38*	*1*
2-Fluorophenol (Surr)	*98*		*48 - 105*	*07/13/23 08:01*	*07/13/23 15:38*	*1*
Nitrobenzene-d5 (Surr)	*104*		*46 - 105*	*07/13/23 08:01*	*07/13/23 15:38*	*1*
Phenol-d5 (Surr)	*92*		*46 - 105*	*07/13/23 08:01*	*07/13/23 15:38*	*1*
Terphenyl-d14 (Surr)	*99*		*39 - 105*	*07/13/23 08:01*	*07/13/23 15:38*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*34 - 108*	*07/13/23 08:01*	*07/13/23 15:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1221	ND		17	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1232	ND		17	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1242	ND		17	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1248	**13**	**J**	17	4.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1260	ND		17	5.0	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S8
Lab Sample ID: 180-159065-1
Date Collected: 07/11/23 12:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.1	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*07/12/23 16:20*	*07/13/23 09:07*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/12/23 16:20*	*07/13/23 09:07*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/12/23 16:20*	*07/13/23 09:07*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/12/23 16:20*	*07/13/23 09:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		14	3.5	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Antimony	**0.23**	**J**	0.70	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Arsenic	**9.7**		0.70	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Barium	**89**		14	2.5	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Beryllium	**0.41**		0.28	0.076	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Cadmium	**0.76**		0.35	0.051	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Calcium	**11000**		350	45	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Chromium	**11**		0.35	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Cobalt	**10**		3.5	0.49	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Copper	**26**		1.7	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Iron	**21000**		7.0	6.8	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Lead	**13**		0.70	0.61	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Magnesium	**3700**		350	38	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Manganese	**600**		1.0	0.19	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Nickel	**23**		2.8	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Potassium	**790**		350	60	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Selenium	ND		0.70	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Silver	ND		0.35	0.073	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Sodium	**36**	**J**	350	36	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Thallium	ND		1.4	0.20	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Vanadium	**13**		3.5	0.55	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1
Zinc	**82**		1.4	1.0	mg/Kg	☼	07/13/23 07:15	07/14/23 13:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.032	0.021	mg/Kg	☼	07/13/23 09:05	07/14/23 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.9**		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	**94.1**		0.1	0.1	%			07/12/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*07/13/23 07:53*	*07/13/23 15:23*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*	*07/13/23 07:53*	*07/13/23 15:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*	*07/13/23 07:53*	*07/13/23 15:23*	*1*
Toluene-d8 (Surr)	*75*		*67 - 134*	*07/13/23 07:53*	*07/13/23 15:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Acenaphthylene	ND		72	16	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Acetophenone	ND		720	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Anthracene	ND		72	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Atrazine	ND		720	160	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Benzaldehyde	ND		720	45	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Benzo[g,h,i]perylene	ND		72	16	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Carbazole	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Chrysene	ND		72	40	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Fluoranthene	ND		72	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Fluorene	ND		72	14	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Isophorone	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Naphthalene	ND		72	14	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Phenanthrene	ND		72	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
Pyrene	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/13/23 08:01*	*07/13/23 16:00*	*1*
2-Fluorophenol (Surr)	*95*		*48 - 105*	*07/13/23 08:01*	*07/13/23 16:00*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 105*	*07/13/23 08:01*	*07/13/23 16:00*	*1*
Phenol-d5 (Surr)	*92*		*46 - 105*	*07/13/23 08:01*	*07/13/23 16:00*	*1*
Terphenyl-d14 (Surr)	*97*		*39 - 105*	*07/13/23 08:01*	*07/13/23 16:00*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*07/13/23 08:01*	*07/13/23 16:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1248	**16**	**J**	18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 09:25	1

Client Sample ID: SSHS-ISMP-NAF-UT-S9
Lab Sample ID: 180-159065-2
Date Collected: 07/11/23 12:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*07/12/23 16:20*	*07/13/23 09:25*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*63 - 138*	*07/12/23 16:20*	*07/13/23 09:25*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/12/23 16:20*	*07/13/23 09:25*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*07/12/23 16:20*	*07/13/23 09:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		14	3.6	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Antimony	ND		0.72	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Arsenic	**7.9**		0.72	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Barium	**51**		14	2.5	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Beryllium	**0.36**		0.29	0.078	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Cadmium	**0.61**		0.36	0.052	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Calcium	**18000**		360	46	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Chromium	**11**		0.36	0.33	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Cobalt	**7.9**		3.6	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Copper	**18**		1.8	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Iron	**17000**		7.2	7.0	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Lead	**10**		0.72	0.62	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Magnesium	**7600**		360	39	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Manganese	**360**		1.1	0.20	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Nickel	**18**		2.9	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Potassium	**910**		360	61	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Selenium	ND		0.72	0.33	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Silver	ND		0.36	0.074	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Sodium	**48**	**J**	360	37	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Thallium	ND		1.4	0.20	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Vanadium	**13**		3.6	0.57	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1
Zinc	**53**		1.4	1.0	mg/Kg	☼	07/13/23 07:15	07/14/23 13:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.032	0.021	mg/Kg	☼	07/13/23 09:05	07/14/23 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.0**		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	**92.0**		0.1	0.1	%			07/12/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3
Date Collected: 07/11/23 12:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3
Date Collected: 07/11/23 12:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Toluene	ND		5.0	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2,3-Trichlorobenzene	ND		10	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	07/13/23 07:53	07/13/23 15:46	1

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3

Date Collected: 07/11/23 12:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*07/13/23 07:53*	*07/13/23 15:46*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*07/13/23 07:53*	*07/13/23 15:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*07/13/23 07:53*	*07/13/23 15:46*	*1*
Toluene-d8 (Surr)	*73*		*67 - 134*	*07/13/23 07:53*	*07/13/23 15:46*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Acetophenone	ND		700	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Anthracene	ND		70	18	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Atrazine	ND		700	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Carbazole	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Chrysene	ND		70	39	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Fluorene	ND		70	14	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3

Date Collected: 07/11/23 12:10
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Isophorone	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Naphthalene	ND		70	14	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Phenol	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
Pyrene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*07/13/23 08:01*	*07/13/23 16:22*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/13/23 08:01*	*07/13/23 16:22*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*07/13/23 08:01*	*07/13/23 16:22*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*07/13/23 08:01*	*07/13/23 16:22*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*07/13/23 08:01*	*07/13/23 16:22*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/13/23 08:01*	*07/13/23 16:22*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:20*	*07/13/23 09:43*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 09:43*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 09:43*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S10
Lab Sample ID: 180-159065-3
Date Collected: 07/11/23 12:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 09:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		19	4.8	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Antimony	ND		0.96	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Arsenic	**7.5**		0.96	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Barium	**56**		19	3.4	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Beryllium	**0.39**		0.39	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Cadmium	**0.85**		0.48	0.071	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Calcium	**4300**		480	62	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Chromium	**12**		0.48	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Cobalt	**7.3**		4.8	0.68	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Copper	**25**		2.4	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Iron	**20000**		9.6	9.4	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Lead	**12**		0.96	0.84	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Magnesium	**3100**		480	53	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Manganese	**350**		1.4	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Nickel	**21**		3.9	0.49	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Potassium	**720**		480	82	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Selenium	ND		0.96	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Sodium	ND		480	49	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Vanadium	**15**		4.8	0.76	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1
Zinc	**65**		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 13:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.033	0.021	mg/Kg	☼	07/13/23 09:05	07/14/23 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.6**		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	**94.4**		0.1	0.1	%			07/12/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4
Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4
Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*07/13/23 07:53*	*07/13/23 16:08*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*07/13/23 07:53*	*07/13/23 16:08*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4

Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*07/13/23 07:53*	*07/13/23 16:08*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*07/13/23 07:53*	*07/13/23 16:08*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Acetophenone	ND		730	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Anthracene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Atrazine	ND		730	160	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Caprolactam	ND		1800	240	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Carbazole	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Chrysene	ND		73	40	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Dibenz(a,h)anthracene	ND		73	46	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Fluorene	ND		73	14	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4
Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Naphthalene	ND		73	14	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2-Nitroaniline	ND		1800	170	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Phenanthrene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
Pyrene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/13/23 08:01*	*07/13/23 16:44*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*07/13/23 08:01*	*07/13/23 16:44*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 105*	*07/13/23 08:01*	*07/13/23 16:44*	*1*
Phenol-d5 (Surr)	*91*		*46 - 105*	*07/13/23 08:01*	*07/13/23 16:44*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 105*	*07/13/23 08:01*	*07/13/23 16:44*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*07/13/23 08:01*	*07/13/23 16:44*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:00*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:00*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:00*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:00*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4

Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7800		21	5.2	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Arsenic	6.8		1.0	0.65	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Barium	70		21	3.7	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Beryllium	0.36	J	0.42	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Cadmium	0.78		0.52	0.076	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Calcium	21000		520	67	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Chromium	9.8		0.52	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Cobalt	11		5.2	0.73	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Copper	26		2.6	1.6	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Iron	18000		10	10	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Lead	11		1.0	0.90	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Magnesium	6900		520	57	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Manganese	1700		1.6	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Nickel	25		4.2	0.52	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Potassium	730		520	88	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Selenium	ND		1.0	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Sodium	ND		520	53	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Thallium	ND		2.1	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Vanadium	14		5.2	0.82	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1
Zinc	74		2.1	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 13:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J	0.032	0.021	mg/Kg	☼	07/13/23 09:05	07/14/23 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.2		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	90.8		0.1	0.1	%			07/12/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Chlorodibromomethane	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
cis-1,2-Dichloroethene	ND		5.1	1.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/13/23 07:53	07/14/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*07/13/23 07:53*	*07/14/23 18:07*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*07/13/23 07:53*	*07/14/23 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*07/13/23 07:53*	*07/14/23 18:07*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*07/13/23 07:53*	*07/14/23 18:07*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Acetophenone	ND		730	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Anthracene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Atrazine	ND		730	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Carbazole	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Chrysene	ND		73	40	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Fluorene	ND		73	14	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5

Date Collected: 07/11/23 00:00
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 91.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Naphthalene	ND		73	14	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
3-Nitroaniline	ND		1900	92	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
4-Nitrophenol	ND		1900	250	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Pentachlorophenol	ND		1900	580	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Phenanthrene	ND		73	20	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
Pyrene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*07/13/23 08:01*	*07/13/23 17:06*	*1*
2-Fluorophenol (Surr)	*89*		*48 - 105*	*07/13/23 08:01*	*07/13/23 17:06*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*07/13/23 08:01*	*07/13/23 17:06*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*07/13/23 08:01*	*07/13/23 17:06*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*07/13/23 08:01*	*07/13/23 17:06*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/13/23 08:01*	*07/13/23 17:06*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:18*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:18*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:18*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		19	4.6	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Antimony	ND		0.93	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.5		0.93	0.58	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Barium	61		19	3.3	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Beryllium	0.35	J	0.37	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Cadmium	0.62		0.46	0.068	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Calcium	2500		460	60	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Chromium	9.1		0.46	0.42	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Cobalt	6.9		4.6	0.65	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Copper	25		2.3	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Iron	18000		9.3	9.1	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Lead	10		0.93	0.81	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Magnesium	2500		460	51	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Manganese	780		1.4	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Nickel	19		3.7	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Potassium	540		460	79	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Silver	ND		0.46	0.097	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Sodium	ND		460	48	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Thallium	ND		1.9	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Vanadium	13		4.6	0.74	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1
Zinc	60		1.9	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 13:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025	J	0.031	0.020	mg/Kg	☼	07/13/23 09:05	07/14/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.8		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	91.2		0.1	0.1	%			07/12/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6

Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Chloroethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6
Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
trans-1,3-Dichloropropene	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/13/23 07:53	07/13/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*07/13/23 07:53*	*07/13/23 16:54*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*07/13/23 07:53*	*07/13/23 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*07/13/23 07:53*	*07/13/23 16:54*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*07/13/23 07:53*	*07/13/23 16:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6
Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		71	15	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Acetophenone	ND		710	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Anthracene	ND		71	18	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Atrazine	ND		710	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Carbazole	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Chrysene	ND		71	39	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Fluoranthene	ND		71	19	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Fluorene	ND		71	14	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Isophorone	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6
Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		71	14	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Phenanthrene	ND		71	19	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Phenol	ND		350	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
Pyrene	ND		71	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*07/13/23 08:01*	*07/13/23 17:28*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*07/13/23 08:01*	*07/13/23 17:28*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*07/13/23 08:01*	*07/13/23 17:28*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/13/23 08:01*	*07/13/23 17:28*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 105*	*07/13/23 08:01*	*07/13/23 17:28*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/13/23 08:01*	*07/13/23 17:28*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:36*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:36*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:36*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		19	4.7	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Antimony	ND		0.95	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Arsenic	**6.6**		0.95	0.59	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-S12
Lab Sample ID: 180-159065-6

Date Collected: 07/11/23 12:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	100		19	3.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Beryllium	0.37	J	0.38	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Cadmium	0.61		0.47	0.070	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Calcium	5900		470	61	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Chromium	9.7		0.47	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Cobalt	7.5		4.7	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Copper	23		2.4	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Iron	17000		9.5	9.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Lead	9.4		0.95	0.83	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Magnesium	3900		470	52	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Manganese	590		1.4	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Nickel	20		3.8	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Potassium	670		470	81	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Selenium	ND		0.95	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Silver	ND		0.47	0.099	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Sodium	ND		470	49	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Vanadium	12		4.7	0.75	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1
Zinc	63		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J	0.031	0.020	mg/Kg	☼	07/13/23 09:05	07/14/23 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.4		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	92.6		0.1	0.1	%			07/12/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7

Date Collected: 07/11/23 12:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7
Date Collected: 07/11/23 12:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*07/13/23 07:53*	*07/13/23 17:17*	*1*
Dibromofluoromethane (Surr)	*79*		*69 - 126*	*07/13/23 07:53*	*07/13/23 17:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*07/13/23 07:53*	*07/13/23 17:17*	*1*
Toluene-d8 (Surr)	*74*		*67 - 134*	*07/13/23 07:53*	*07/13/23 17:17*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7
Date Collected: 07/11/23 12:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		750	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Anthracene	ND		75	19	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Atrazine	ND		750	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Benzaldehyde	ND		750	47	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Benzo[a]pyrene	ND		75	33	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Benzo[k]fluoranthene	ND		75	23	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Carbazole	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Chrysene	ND		75	42	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Fluorene	ND		75	15	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Naphthalene	ND		75	15	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7

Date Collected: 07/11/23 12:25
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 85.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
Pyrene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/13/23 08:01*	*07/13/23 17:50*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*07/13/23 08:01*	*07/13/23 17:50*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*07/13/23 08:01*	*07/13/23 17:50*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*07/13/23 08:01*	*07/13/23 17:50*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*07/13/23 08:01*	*07/13/23 17:50*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*07/13/23 08:01*	*07/13/23 17:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*63 - 138*	*07/12/23 16:20*	*07/13/23 10:53*	*1*
DCB Decachlorobiphenyl (Surr)	*61*	*S1-*	*63 - 138*	*07/12/23 16:20*	*07/13/23 10:53*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:53*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*07/12/23 16:20*	*07/13/23 10:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**		22	5.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Antimony	ND		1.1	0.33	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Arsenic	**10**		1.1	0.68	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Barium	**67**		22	3.8	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S13
Lab Sample ID: 180-159065-7
Date Collected: 07/11/23 12:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.50		0.43	0.12	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Cadmium	0.92		0.54	0.079	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Calcium	1200		540	70	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Chromium	12		0.54	0.49	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Cobalt	8.6		5.4	0.76	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Copper	29		2.7	1.6	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Iron	21000		11	11	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Lead	22		1.1	0.94	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Magnesium	2100		540	59	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Manganese	1200		1.6	0.30	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Nickel	20		4.3	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Potassium	910		540	92	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Selenium	ND		1.1	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Silver	ND		0.54	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Sodium	ND		540	55	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Thallium	ND		2.2	0.31	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Vanadium	20		5.4	0.85	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1
Zinc	160		2.2	1.6	mg/Kg	☼	07/13/23 07:15	07/14/23 14:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.035	0.023	mg/Kg	☼	07/13/23 09:05	07/14/23 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.1		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	85.9		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Carbon disulfide	ND		5.6	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Chloroethane	ND		5.6	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
trans-1,2-Dichloroethene	ND		5.6	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Trichloroethene	ND		5.6	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/13/23 07:53	07/13/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*07/13/23 07:53*	*07/13/23 17:39*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/13/23 07:53*	*07/13/23 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*07/13/23 07:53*	*07/13/23 17:39*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*	*07/13/23 07:53*	*07/13/23 17:39*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Acetophenone	ND		750	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		75	19	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Atrazine	ND		750	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Carbazole	ND		75	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Chrysene	ND		75	41	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Fluorene	ND		75	15	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Naphthalene	ND		75	15	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
Pyrene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/13/23 08:01*	*07/13/23 18:12*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*07/13/23 08:01*	*07/13/23 18:12*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 105*	*07/13/23 08:01*	*07/13/23 18:12*	*1*
Phenol-d5 (Surr)	*88*		*46 - 105*	*07/13/23 08:01*	*07/13/23 18:12*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 105*	*07/13/23 08:01*	*07/13/23 18:12*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*07/13/23 08:01*	*07/13/23 18:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/12/23 16:20*	*07/13/23 11:11*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/12/23 16:20*	*07/13/23 11:11*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/12/23 16:20*	*07/13/23 11:11*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/12/23 16:20*	*07/13/23 11:11*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5300**		13	3.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Antimony	ND		0.63	0.19	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Arsenic	**5.8**		0.63	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Barium	**33**		13	2.3	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Beryllium	**0.26**		0.25	0.069	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.51		0.32	0.046	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Calcium	1100		320	41	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Chromium	6.9		0.32	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Cobalt	5.6		3.2	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Copper	17		1.6	0.96	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Iron	13000		6.3	6.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Lead	9.2		0.63	0.55	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Magnesium	1500		320	35	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Manganese	570		0.95	0.18	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Nickel	15		2.5	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Potassium	410		320	54	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Selenium	ND		0.63	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Silver	ND		0.32	0.066	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Sodium	ND		320	32	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Thallium	ND		1.3	0.18	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Vanadium	10		3.2	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1
Zinc	45		1.3	0.92	mg/Kg	☼	07/13/23 07:15	07/14/23 14:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.034	0.022	mg/Kg	☼	07/13/23 09:05	07/14/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.3		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	87.7		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Lab Sample ID: 180-159065-9
Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Bromomethane	ND	F1	5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Carbon disulfide	ND	F1	5.4	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Carbon tetrachloride	ND	F1	5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Chloroethane	ND	F1	5.4	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Chloromethane	ND	F1	5.4	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Cyclohexane	ND	F1	5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Lab Sample ID: 180-159065-9
Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Dichlorodifluoromethane	ND	F1	5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,1-Dichloroethene	ND	F1	5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2-Dichloroethene, Total	ND	F1	11	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Methylcyclohexane	ND	F1	5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
trans-1,2-Dichloroethene	ND	F1	5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Trichlorofluoromethane	ND	F1	5.4	4.5	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	5.4	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Vinyl chloride	ND	F1	5.4	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/13/23 07:53	07/13/23 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*07/13/23 07:53*	*07/13/23 13:29*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*07/13/23 07:53*	*07/13/23 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*	*07/13/23 07:53*	*07/13/23 13:29*	*1*
Toluene-d8 (Surr)	*75*		*67 - 134*	*07/13/23 07:53*	*07/13/23 13:29*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Acetophenone	ND		750	130	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Anthracene	ND		75	19	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Lab Sample ID: 180-159065-9
Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND	F1	750	160	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Benzaldehyde	ND	F1	750	46	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Benzo[a]anthracene	ND	F1	75	34	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Carbazole	ND		75	17	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Chrysene	ND	F1	75	41	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,4-Dinitrotoluene	ND	F1	370	220	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Fluorene	ND		75	15	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Hexachlorobutadiene	ND	F1	75	22	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Hexachlorocyclopentadiene	ND	F1	370	38	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Indeno[1,2,3-cd]pyrene	ND	F1	75	37	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Naphthalene	ND		75	15	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Lab Sample ID: 180-159065-9

Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Nitrobenzene	ND	F1	750	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
N-Nitrosodi-n-propylamine	ND	F1	75	25	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
Pyrene	ND		75	18	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/13/23 08:01	07/13/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/13/23 08:01*	*07/13/23 14:33*	*1*
2-Fluorophenol (Surr)	*90*		*48 - 105*	*07/13/23 08:01*	*07/13/23 14:33*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 105*	*07/13/23 08:01*	*07/13/23 14:33*	*1*
Phenol-d5 (Surr)	*89*		*46 - 105*	*07/13/23 08:01*	*07/13/23 14:33*	*1*
Terphenyl-d14 (Surr)	*98*		*39 - 105*	*07/13/23 08:01*	*07/13/23 14:33*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*07/13/23 08:01*	*07/13/23 14:33*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1260	ND		18	5.3	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:20*	*07/13/23 08:14*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*07/12/23 16:20*	*07/13/23 08:14*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/12/23 16:20*	*07/13/23 08:14*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/12/23 16:20*	*07/13/23 08:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		15	3.8	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Antimony	ND	F1	0.77	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Arsenic	**6.3**		0.77	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Barium	**39**		15	2.7	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Beryllium	**0.32**		0.31	0.084	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Cadmium	**0.54**		0.38	0.056	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-S15

Lab Sample ID: 180-159065-9

Date Collected: 07/11/23 12:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1000		380	50	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Chromium	10		0.38	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Cobalt	6.5		3.8	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Copper	20		1.9	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Iron	16000		7.7	7.5	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Lead	8.9		0.77	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Magnesium	2000	F1	380	42	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Manganese	330		1.2	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Nickel	16		3.1	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Potassium	540		380	65	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Selenium	ND		0.77	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Silver	ND		0.38	0.080	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Sodium	ND		380	39	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Thallium	ND		1.5	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Vanadium	14		3.8	0.61	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1
Zinc	66	F1	1.5	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 13:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.035	0.023	mg/Kg	☼	07/13/23 09:05	07/14/23 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.1		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	87.9		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S16

Lab Sample ID: 180-159065-10

Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S16
Lab Sample ID: 180-159065-10
Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Trichlorofluoromethane	ND		5.4	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*07/13/23 07:53*	*07/13/23 18:02*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*07/13/23 07:53*	*07/13/23 18:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*07/13/23 07:53*	*07/13/23 18:02*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*07/13/23 07:53*	*07/13/23 18:02*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Acenaphthylene	ND		72	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Acetophenone	ND		720	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Anthracene	ND		72	19	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Atrazine	ND		720	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S16
Lab Sample ID: 180-159065-10
Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		720	45	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Benzo[a]anthracene	ND		72	33	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Benzo[g,h,i]perylene	ND		72	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Benzo[k]fluoranthene	ND		72	22	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Carbazole	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Chrysene	ND		72	40	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Fluoranthene	ND		72	19	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Fluorene	ND		72	14	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Naphthalene	ND		72	14	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-S16
Lab Sample ID: 180-159065-10

Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		720	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Phenanthrene	ND		72	19	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
Pyrene	ND		72	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*07/13/23 08:01*	*07/13/23 18:34*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*07/13/23 08:01*	*07/13/23 18:34*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 105*	*07/13/23 08:01*	*07/13/23 18:34*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*07/13/23 08:01*	*07/13/23 18:34*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/13/23 08:01*	*07/13/23 18:34*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/13/23 08:01*	*07/13/23 18:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 11:29*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/12/23 16:20*	*07/13/23 11:29*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*07/12/23 16:20*	*07/13/23 11:29*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*07/12/23 16:20*	*07/13/23 11:29*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		15	3.8	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Antimony	ND		0.77	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Arsenic	**5.8**		0.77	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Barium	**46**		15	2.7	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Beryllium	**0.33**		0.31	0.084	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Cadmium	**0.55**		0.39	0.057	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Calcium	**3400**		390	50	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-S16

Lab Sample ID: 180-159065-10
Date Collected: 07/11/23 12:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	8.3		0.39	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Cobalt	6.4		3.9	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Copper	22		1.9	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Iron	16000		7.7	7.5	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Lead	6.9		0.77	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Magnesium	2700		390	42	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Manganese	510		1.2	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Nickel	16		3.1	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Potassium	600		390	66	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Selenium	ND		0.77	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Silver	ND		0.39	0.080	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Sodium	ND		390	39	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Thallium	ND		1.5	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Vanadium	12		3.9	0.61	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1
Zinc	43		1.5	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 14:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	J	0.036	0.023	mg/Kg	☼	07/13/23 09:05	07/14/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.7		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	91.3		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B4

Lab Sample ID: 180-159065-11
Date Collected: 07/11/23 12:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 96.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11

Date Collected: 07/11/23 12:45
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 96.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Dichlorobromomethane	ND		5.0	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Methylene Chloride	ND		5.0	4.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Toluene	ND		5.0	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*07/13/23 07:53*	*07/13/23 18:25*	*1*
Dibromofluoromethane (Surr)	*79*		*69 - 126*	*07/13/23 07:53*	*07/13/23 18:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*73 - 135*	*07/13/23 07:53*	*07/13/23 18:25*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*07/13/23 07:53*	*07/13/23 18:25*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Acenaphthylene	ND		68	15	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Acetophenone	ND		680	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Anthracene	ND		68	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Atrazine	ND		680	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Benzaldehyde	ND		680	42	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11
Date Collected: 07/11/23 12:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 96.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Benzo[a]pyrene	ND		68	30	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Caprolactam	ND		1700	220	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Carbazole	ND		68	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Chrysene	ND		68	38	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Dibenz(a,h)anthracene	ND		68	44	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Fluoranthene	ND		68	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Fluorene	ND		68	13	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Isophorone	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2-Methylphenol	ND		340	98	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Naphthalene	ND		68	13	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Nitrobenzene	ND		680	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11

Date Collected: 07/11/23 12:45
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 96.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Phenanthrene	ND		68	18	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Phenol	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
Pyrene	ND		68	16	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/13/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*07/13/23 08:01*	*07/13/23 18:56*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*07/13/23 08:01*	*07/13/23 18:56*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*07/13/23 08:01*	*07/13/23 18:56*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*07/13/23 08:01*	*07/13/23 18:56*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/13/23 08:01*	*07/13/23 18:56*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*07/13/23 08:01*	*07/13/23 18:56*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1221	ND		17	6.0	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1232	ND		17	4.1	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1254	ND		17	5.1	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1260	ND		17	4.8	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1262	ND		17	6.0	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/12/23 16:20	07/13/23 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/12/23 16:20*	*07/13/23 11:47*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 11:47*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/12/23 16:20*	*07/13/23 11:47*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 11:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		12	3.0	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Antimony	ND		0.60	0.18	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Arsenic	**8.3**		0.60	0.37	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Barium	**69**		12	2.1	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Beryllium	**0.40**		0.24	0.065	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Cadmium	**0.71**		0.30	0.044	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Calcium	**12000**		300	38	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Chromium	**11**		0.30	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-B4
Lab Sample ID: 180-159065-11
Date Collected: 07/11/23 12:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 96.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	9.2		3.0	0.42	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Copper	26		1.5	0.90	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Iron	18000		6.0	5.8	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Lead	9.7		0.60	0.52	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Magnesium	3300		300	33	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Manganese	370		0.89	0.17	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Nickel	20		2.4	0.30	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Potassium	800		300	51	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Selenium	0.30	J	0.60	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Silver	ND		0.30	0.062	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Sodium	34	J	300	30	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Thallium	ND		1.2	0.17	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Vanadium	13		3.0	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1
Zinc	47		1.2	0.86	mg/Kg	☼	07/13/23 07:15	07/14/23 14:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	07/13/23 09:05	07/14/23 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	3.5		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	96.5		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B5
Lab Sample ID: 180-159065-12
Date Collected: 07/11/23 12:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B5
Lab Sample ID: 180-159065-12
Date Collected: 07/11/23 12:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/13/23 07:53	07/13/23 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*07/13/23 07:53*	*07/13/23 18:48*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*07/13/23 07:53*	*07/13/23 18:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*	*07/13/23 07:53*	*07/13/23 18:48*	*1*
Toluene-d8 (Surr)	*73*		*67 - 134*	*07/13/23 07:53*	*07/13/23 18:48*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Acetophenone	ND		700	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Anthracene	ND		70	18	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Atrazine	ND		700	150	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-B5
Lab Sample ID: 180-159065-12
Date Collected: 07/11/23 12:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 93.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Carbazole	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Chrysene	ND		70	38	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Fluorene	ND		70	14	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Isophorone	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2-Methylphenol	ND		340	99	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Naphthalene	ND		70	14	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-B5
Lab Sample ID: 180-159065-12

Date Collected: 07/11/23 12:50
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 93.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Phenol	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
Pyrene	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*44 - 105*	*07/13/23 08:01*	*07/13/23 19:18*	*1*
2-Fluorophenol (Surr)	*97*		*48 - 105*	*07/13/23 08:01*	*07/13/23 19:18*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 105*	*07/13/23 08:01*	*07/13/23 19:18*	*1*
Phenol-d5 (Surr)	*91*		*46 - 105*	*07/13/23 08:01*	*07/13/23 19:18*	*1*
Terphenyl-d14 (Surr)	*104*		*39 - 105*	*07/13/23 08:01*	*07/13/23 19:18*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*07/13/23 08:01*	*07/13/23 19:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/12/23 16:20*	*07/13/23 12:04*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/12/23 16:20*	*07/13/23 12:04*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:04*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:04*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		15	3.8	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Antimony	ND		0.76	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Arsenic	**6.6**		0.76	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Barium	**60**		15	2.7	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Beryllium	**0.37**		0.30	0.082	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Cadmium	**0.70**		0.38	0.056	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Calcium	**23000**		380	49	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Chromium	**10**		0.38	0.34	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Cobalt	**7.9**		3.8	0.53	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1

Client Sample ID: SSHS-ISMP-NAF-UT-B5

Lab Sample ID: 180-159065-12
Date Collected: 07/11/23 12:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 93.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	28		1.9	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Iron	18000		7.6	7.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Lead	12		0.76	0.66	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Magnesium	7300		380	42	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Manganese	480		1.1	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Nickel	20		3.0	0.38	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Potassium	710		380	64	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Selenium	ND		0.76	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Silver	ND		0.38	0.079	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Sodium	98	J	380	39	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Thallium	ND		1.5	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Vanadium	13		3.8	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1
Zinc	73		1.5	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 14:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025	J	0.033	0.021	mg/Kg	☼	07/13/23 09:05	07/14/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.9		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	93.1		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B6

Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*07/13/23 07:53*	*07/13/23 19:10*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/13/23 07:53*	*07/13/23 19:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*07/13/23 07:53*	*07/13/23 19:10*	*1*
Toluene-d8 (Surr)	*77*		*67 - 134*	*07/13/23 07:53*	*07/13/23 19:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Acetophenone	ND		740	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Anthracene	ND		74	19	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Atrazine	ND		740	160	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Carbazole	ND		74	17	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Chrysene	ND		74	41	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Fluoranthene	ND		74	19	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Fluorene	ND		74	14	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Naphthalene	ND		74	14	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13

Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
Pyrene	ND		74	17	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/13/23 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*44 - 105*	*07/13/23 08:01*	*07/13/23 19:39*	*1*
2-Fluorophenol (Surr)	*98*		*48 - 105*	*07/13/23 08:01*	*07/13/23 19:39*	*1*
Nitrobenzene-d5 (Surr)	*110*	*S1+*	*46 - 105*	*07/13/23 08:01*	*07/13/23 19:39*	*1*
Phenol-d5 (Surr)	*95*		*46 - 105*	*07/13/23 08:01*	*07/13/23 19:39*	*1*
Terphenyl-d14 (Surr)	*108*	*S1+*	*39 - 105*	*07/13/23 08:01*	*07/13/23 19:39*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*07/13/23 08:01*	*07/13/23 19:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*07/12/23 16:20*	*07/13/23 12:22*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*63 - 138*	*07/12/23 16:20*	*07/13/23 12:22*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:22*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		16	4.0	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Antimony	ND		0.80	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Arsenic	**4.2**		0.80	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Barium	**40**		16	2.8	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Beryllium	**0.26**	**J**	0.32	0.087	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Cadmium	**0.49**		0.40	0.059	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Calcium	**29000**		400	52	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Chromium	**7.7**		0.40	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Cobalt	**5.2**		4.0	0.56	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Copper	**22**		2.0	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**13000**		8.0	7.8	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Lead	**6.1**		0.80	0.70	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Magnesium	**7600**		400	44	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Manganese	**390**		1.2	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Nickel	**14**		3.2	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Potassium	**560**		400	68	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Selenium	ND		0.80	0.37	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Silver	ND		0.40	0.083	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Sodium	**48**	**J**	400	41	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Vanadium	**9.8**		4.0	0.63	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1
Zinc	**64**		1.6	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	07/13/23 09:05	07/14/23 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.9**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**88.1**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14
Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 83.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14
Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 83.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*07/13/23 07:53*	*07/13/23 19:33*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*07/13/23 07:53*	*07/13/23 19:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*07/13/23 07:53*	*07/13/23 19:33*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*07/13/23 07:53*	*07/13/23 19:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Acetophenone	ND		790	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Anthracene	ND		79	20	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Atrazine	ND		790	170	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14
Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 83.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Carbazole	ND		79	18	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Chrysene	**44**	**J**	79	44	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Dibenz(a,h)anthracene	ND		79	51	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Fluoranthene	**55**	**J**	79	21	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Fluorene	ND		79	16	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Naphthalene	ND		79	15	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14

Date Collected: 07/11/23 14:00
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 83.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Phenanthrene	**35**	**J**	79	21	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
Pyrene	**50**	**J**	79	19	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*07/13/23 08:01*	*07/13/23 20:01*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*07/13/23 08:01*	*07/13/23 20:01*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 105*	*07/13/23 08:01*	*07/13/23 20:01*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/13/23 08:01*	*07/13/23 20:01*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/13/23 08:01*	*07/13/23 20:01*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*	*07/13/23 08:01*	*07/13/23 20:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*	*S1-*	*63 - 138*	*07/12/23 16:20*	*07/13/23 12:39*	*1*
DCB Decachlorobiphenyl (Surr)	*57*	*S1-*	*63 - 138*	*07/12/23 16:20*	*07/13/23 12:39*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:39*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		19	4.7	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Antimony	ND		0.94	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Arsenic	**7.9**		0.94	0.59	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Barium	**79**		19	3.3	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Beryllium	**0.43**		0.37	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Cadmium	**0.51**		0.47	0.069	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Calcium	**2300**		470	61	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Chromium	**10**		0.47	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Cobalt	**6.1**		4.7	0.66	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Copper	**22**		2.3	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Iron	**15000**		9.4	9.1	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S17
Lab Sample ID: 180-159065-14

Date Collected: 07/11/23 14:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 83.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		0.94	0.82	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Magnesium	1700		470	51	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Manganese	400		1.4	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Nickel	14		3.7	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Potassium	500		470	80	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Selenium	0.95		0.94	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Sodium	ND		470	48	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Vanadium	16		4.7	0.74	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1
Zinc	48		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.071		0.037	0.023	mg/Kg	☼	07/13/23 09:05	07/14/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.6		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	83.4		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15

Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Benzene	ND		5.8	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Bromomethane	ND		5.8	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Carbon disulfide	ND		5.8	4.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
cis-1,2-Dichloroethene	ND		5.8	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2-Dichlorobenzene	ND		5.8	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,4-Dichlorobenzene	ND		5.8	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15
Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2-Dichloropropane	ND		5.8	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,4-Dioxane	ND		1200	89	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Ethylbenzene	ND		5.8	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Methyl acetate	ND		29	8.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Methylene Chloride	ND		5.8	5.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Styrene	ND		5.8	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Toluene	ND		5.8	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,2,4-Trichlorobenzene	ND		5.8	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,1,1-Trichloroethane	ND		5.8	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,1,2-Trichloroethane	ND		5.8	1.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Trichlorofluoromethane	ND		5.8	4.9	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	07/13/23 07:53	07/13/23 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*07/13/23 07:53*	*07/13/23 19:56*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*07/13/23 07:53*	*07/13/23 19:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*07/13/23 07:53*	*07/13/23 19:56*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/13/23 07:53*	*07/13/23 19:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Acenaphthylene	ND		78	17	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Acetophenone	ND		780	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Anthracene	ND		78	20	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Atrazine	ND		780	170	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Benzaldehyde	ND		780	48	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15
Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Bis(2-ethylhexyl) phthalate	ND		3900	410	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Carbazole	ND		78	18	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Chrysene	ND		78	43	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Fluoranthene	ND		78	21	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Fluorene	ND		78	15	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Naphthalene	ND		78	15	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15
Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Phenanthrene	ND		78	21	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
Pyrene	ND		78	18	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/13/23 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*44 - 105*	*07/13/23 08:01*	*07/13/23 20:23*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*07/13/23 08:01*	*07/13/23 20:23*	*1*
Nitrobenzene-d5 (Surr)	*108*	*S1+*	*46 - 105*	*07/13/23 08:01*	*07/13/23 20:23*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:01*	*07/13/23 20:23*	*1*
Terphenyl-d14 (Surr)	*100*		*39 - 105*	*07/13/23 08:01*	*07/13/23 20:23*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*34 - 108*	*07/13/23 08:01*	*07/13/23 20:23*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*07/12/23 16:20*	*07/13/23 12:57*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:20*	*07/13/23 12:57*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:57*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/12/23 16:20*	*07/13/23 12:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		19	4.7	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Antimony	ND		0.95	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Arsenic	**7.7**		0.95	0.59	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Barium	**52**		19	3.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Beryllium	**0.40**		0.38	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Cadmium	**0.68**		0.47	0.070	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Calcium	**970**		470	61	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Chromium	**11**		0.47	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Cobalt	**7.2**		4.7	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Copper	**38**		2.4	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Iron	**19000**		9.5	9.2	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Lead	**11**		0.95	0.83	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1

Client Sample ID: SSHS-ISMP-NAF-UT-S18
Lab Sample ID: 180-159065-15

Date Collected: 07/11/23 14:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**2300**		470	52	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Manganese	**210**		1.4	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Nickel	**20**		3.8	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Potassium	**570**		470	81	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Selenium	ND		0.95	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Silver	ND		0.47	0.099	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Sodium	ND		470	49	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Vanadium	**16**		4.7	0.75	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1
Zinc	**87**		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 14:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.034	0.022	mg/Kg	☼	07/13/23 09:05	07/14/23 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.0**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**85.0**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/13/23 07:53	07/13/23 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*07/13/23 07:53*	*07/13/23 20:19*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*07/13/23 07:53*	*07/13/23 20:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*07/13/23 07:53*	*07/13/23 20:19*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*07/13/23 07:53*	*07/13/23 20:19*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Acetophenone	ND		730	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Anthracene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Atrazine	ND		730	160	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Caprolactam	ND		1800	240	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Carbazole	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Chrysene	ND		73	40	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Dibenz(a,h)anthracene	ND		73	46	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Fluorene	ND		73	14	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Naphthalene	ND		73	14	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16

Date Collected: 07/11/23 00:00
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Phenanthrene	**19**	**J**	73	19	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
Pyrene	ND		73	17	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/13/23 08:01*	*07/14/23 09:43*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*07/13/23 08:01*	*07/14/23 09:43*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/13/23 08:01*	*07/14/23 09:43*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*07/13/23 08:01*	*07/14/23 09:43*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*07/13/23 08:01*	*07/14/23 09:43*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*07/13/23 08:01*	*07/14/23 09:43*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*07/12/23 16:20*	*07/13/23 13:50*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*63 - 138*	*07/12/23 16:20*	*07/13/23 13:50*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*07/12/23 16:20*	*07/13/23 13:50*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*07/12/23 16:20*	*07/13/23 13:50*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		20	5.1	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Arsenic	**6.5**		1.0	0.64	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Barium	**54**		20	3.6	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Beryllium	**0.39**	**J**	0.41	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Cadmium	**0.69**		0.51	0.075	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Calcium	**1700**		510	66	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Chromium	**11**		0.51	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Cobalt	**7.5**		5.1	0.72	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Copper	**33**		2.6	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Iron	**18000**		10	10	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Lead	**11**		1.0	0.89	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Magnesium	**2600**		510	56	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1

Client Sample ID: SSHS-ISMP-NAF-DUP10A
Lab Sample ID: 180-159065-16

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**440**		1.5	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Nickel	**20**		4.1	0.52	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Potassium	**620**		510	87	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Selenium	ND		1.0	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Silver	ND		0.51	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Sodium	ND		510	52	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Thallium	ND		2.0	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Vanadium	**15**		5.1	0.81	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1
Zinc	**80**		2.0	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 14:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.034	0.022	mg/Kg	☼	07/13/23 09:05	07/14/23 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.6**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**90.4**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17

Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Bromoform	ND		5.3	2.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Chlorodibromomethane	**5.3**		5.3	2.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Dichlorobromomethane	**5.9**		5.3	2.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/14/23 07:06	07/14/23 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/14/23 07:06*	*07/14/23 18:29*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/14/23 07:06*	*07/14/23 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*07/14/23 07:06*	*07/14/23 18:29*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/14/23 07:06*	*07/14/23 18:29*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Acetophenone	ND		700	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Anthracene	ND		70	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Atrazine	ND		700	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Carbazole	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Chrysene	ND		70	39	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Fluorene	ND		70	14	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Isophorone	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Naphthalene	ND		70	14	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17

Date Collected: 07/11/23 14:10
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 94.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		70	19	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Phenol	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
Pyrene	ND		70	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/13/23 08:01*	*07/14/23 10:05*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*07/13/23 08:01*	*07/14/23 10:05*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 105*	*07/13/23 08:01*	*07/14/23 10:05*	*1*
Phenol-d5 (Surr)	*91*		*46 - 105*	*07/13/23 08:01*	*07/14/23 10:05*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 105*	*07/13/23 08:01*	*07/14/23 10:05*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*07/13/23 08:01*	*07/14/23 10:05*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 14:08*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:20*	*07/13/23 14:08*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 14:08*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/12/23 16:20*	*07/13/23 14:08*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5900**		14	3.5	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Antimony	ND		0.70	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Arsenic	**6.1**		0.70	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Barium	**61**		14	2.5	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Beryllium	**0.28**		0.28	0.076	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Cadmium	**0.48**		0.35	0.051	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Calcium	**1200**		350	45	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Chromium	**8.5**		0.35	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Cobalt	**5.8**		3.5	0.49	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Copper	**19**		1.7	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Iron	**14000**		7.0	6.8	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Lead	**15**		0.70	0.61	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Magnesium	**1700**		350	38	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Manganese	**440**		1.0	0.19	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17

Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**14**		2.8	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Potassium	**460**		350	59	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Selenium	ND		0.70	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Silver	ND		0.35	0.072	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Sodium	ND		350	36	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Thallium	ND		1.4	0.20	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Vanadium	**11**		3.5	0.55	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1
Zinc	**43**		1.4	1.0	mg/Kg	☼	07/13/23 07:15	07/14/23 15:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.031	0.020	mg/Kg	☼	07/13/23 09:05	07/14/23 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.4**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**94.6**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18

Date Collected: 07/11/23 14:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Chlorodibromomethane	**5.8**		5.0	2.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Dichlorobromomethane	**6.3**		5.0	2.3	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18

Date Collected: 07/11/23 14:15
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 94.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		9.9	4.1	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,4-Dioxane	ND		990	75	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Toluene	ND		5.0	1.4	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2,3-Trichlorobenzene	ND		9.9	2.7	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1
Xylenes, Total	ND		9.9	7.2	ug/Kg	☼	07/13/23 18:53	07/14/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*60 - 124*	*07/13/23 18:53*	*07/14/23 23:23*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*	*07/13/23 18:53*	*07/14/23 23:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*07/13/23 18:53*	*07/14/23 23:23*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*07/13/23 18:53*	*07/14/23 23:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Acenaphthylene	ND		69	15	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Acetophenone	ND		690	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Anthracene	ND		69	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Atrazine	ND		690	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Benzaldehyde	ND		690	42	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18
Date Collected: 07/11/23 14:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Caprolactam	ND		1700	220	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Carbazole	ND		69	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Chrysene	ND		69	38	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Fluoranthene	ND		69	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Fluorene	ND		69	13	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Isophorone	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2-Methylphenol	ND		340	98	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Naphthalene	ND		69	13	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Nitrobenzene	ND		690	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Phenanthrene	ND		69	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18

Date Collected: 07/11/23 14:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		340	100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
Pyrene	ND		69	16	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*44 - 105*	*07/13/23 08:01*	*07/14/23 10:26*	*1*
2-Fluorophenol (Surr)	*94*		*48 - 105*	*07/13/23 08:01*	*07/14/23 10:26*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 105*	*07/13/23 08:01*	*07/14/23 10:26*	*1*
Phenol-d5 (Surr)	*95*		*46 - 105*	*07/13/23 08:01*	*07/14/23 10:26*	*1*
Terphenyl-d14 (Surr)	*99*		*39 - 105*	*07/13/23 08:01*	*07/14/23 10:26*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*34 - 108*	*07/13/23 08:01*	*07/14/23 10:26*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1221	ND		17	6.1	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1254	ND		17	5.1	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1262	ND		17	6.0	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/12/23 16:20	07/13/23 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:20*	*07/13/23 14:26*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 14:26*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 14:26*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/12/23 16:20*	*07/13/23 14:26*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6100**		19	4.6	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Antimony	ND		0.93	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Arsenic	**6.4**		0.93	0.58	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Barium	**34**		19	3.3	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Beryllium	**0.29**	**J**	0.37	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Cadmium	**0.46**		0.46	0.068	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Calcium	**830**		460	60	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Chromium	**8.3**		0.46	0.42	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Cobalt	**5.7**		4.6	0.65	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Copper	**19**		2.3	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Iron	**14000**		9.3	9.1	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Lead	**7.0**		0.93	0.81	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Magnesium	**1800**		460	51	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Manganese	**310**		1.4	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Nickel	**14**		3.7	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S20
Lab Sample ID: 180-159065-18

Date Collected: 07/11/23 14:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**600**		460	79	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Silver	ND		0.46	0.097	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Sodium	ND		460	48	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Thallium	ND		1.9	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Vanadium	**12**		4.6	0.74	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1
Zinc	**48**		1.9	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 15:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.033	0.021	mg/Kg	☼	07/13/23 09:05	07/14/23 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.7**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**94.3**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19

Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19
Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*07/13/23 10:53*	*07/14/23 17:21*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/13/23 10:53*	*07/14/23 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*07/13/23 10:53*	*07/14/23 17:21*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*07/13/23 10:53*	*07/14/23 17:21*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Acenaphthylene	**51**	**J**	79	17	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Acetophenone	ND		790	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Anthracene	**27**	**J**	79	20	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Atrazine	ND		790	170	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Benzo[a]anthracene	ND		79	35	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19
Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Carbazole	ND		79	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Chrysene	ND		79	43	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Fluoranthene	**64**	**J**	79	21	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Fluorene	ND		79	15	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2-Methylnaphthalene	**270**		79	19	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Naphthalene	**490**		79	15	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Phenanthrene	**88**		79	21	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19
Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**69**	**J**	79	19	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:01	07/14/23 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/13/23 08:01*	*07/14/23 10:48*	*1*
2-Fluorophenol (Surr)	*90*		*48 - 105*	*07/13/23 08:01*	*07/14/23 10:48*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*07/13/23 08:01*	*07/14/23 10:48*	*1*
Phenol-d5 (Surr)	*88*		*46 - 105*	*07/13/23 08:01*	*07/14/23 10:48*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/13/23 08:01*	*07/14/23 10:48*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*34 - 108*	*07/13/23 08:01*	*07/14/23 10:48*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/12/23 16:20	07/13/23 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*	*S1-*	*63 - 138*	*07/12/23 16:20*	*07/13/23 14:43*	*1*
DCB Decachlorobiphenyl (Surr)	*52*	*S1-*	*63 - 138*	*07/12/23 16:20*	*07/13/23 14:43*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*55 - 135*	*07/12/23 16:20*	*07/13/23 14:43*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*55 - 135*	*07/12/23 16:20*	*07/13/23 14:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		17	4.3	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Antimony	ND		0.86	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Arsenic	**8.0**		0.86	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Barium	**130**		17	3.0	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Beryllium	**0.42**		0.34	0.093	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Cadmium	**0.42**	**J**	0.43	0.063	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Calcium	**650**		430	55	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Chromium	**9.8**		0.43	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Cobalt	**4.4**		4.3	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Copper	**23**		2.1	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Iron	**12000**		8.6	8.3	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Lead	**40**		0.86	0.75	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Magnesium	**1400**		430	47	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Manganese	**330**		1.3	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Nickel	**12**		3.4	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Potassium	**450**		430	73	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1

Client Sample ID: SSHS-ISMP-NAF-UT-S21
Lab Sample ID: 180-159065-19

Date Collected: 07/11/23 14:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**1.4**		0.86	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Silver	ND		0.43	0.089	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Sodium	ND		430	44	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Vanadium	**16**		4.3	0.68	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1
Zinc	**62**		1.7	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 15:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.066**		0.038	0.025	mg/Kg	☼	07/13/23 09:05	07/14/23 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**17.7**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**82.3**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20

Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20

Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/13/23 10:53	07/14/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/13/23 10:53*	*07/14/23 17:44*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*07/13/23 10:53*	*07/14/23 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*07/13/23 10:53*	*07/14/23 17:44*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*07/13/23 10:53*	*07/14/23 17:44*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Acenaphthylene	**110**		74	16	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Acetophenone	ND		740	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Anthracene	**59**	**J**	74	19	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Atrazine	ND		740	160	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Benzaldehyde	ND		740	45	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Benzo[a]anthracene	**140**		74	33	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Benzo[a]pyrene	**200**		74	32	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Benzo[b]fluoranthene	**220**		74	18	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Benzo[g,h,i]perylene	**380**		74	16	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Benzo[k]fluoranthene	**92**		74	22	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20
Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Carbazole	**36**	**J**	74	17	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Chrysene	**160**		74	41	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Fluoranthene	**210**		74	19	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Fluorene	ND		74	14	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Indeno[1,2,3-cd]pyrene	**210**		74	36	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2-Methylnaphthalene	**63**	**J**	74	18	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Naphthalene	**260**		74	14	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Phenanthrene	**100**		74	20	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
Pyrene	**260**		74	17	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20

Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:01	07/14/23 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*07/13/23 08:01*	*07/14/23 11:09*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*07/13/23 08:01*	*07/14/23 11:09*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*07/13/23 08:01*	*07/14/23 11:09*	*1*
Phenol-d5 (Surr)	*91*		*46 - 105*	*07/13/23 08:01*	*07/14/23 11:09*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/13/23 08:01*	*07/14/23 11:09*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*07/13/23 08:01*	*07/14/23 11:09*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1254	**27**		18	5.4	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:20	07/13/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:20*	*07/13/23 15:01*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:20*	*07/13/23 15:01*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 15:01*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:20*	*07/13/23 15:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**		13	3.2	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Antimony	ND		0.64	0.19	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Arsenic	**6.9**		0.64	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Barium	**50**		13	2.3	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Beryllium	**0.47**		0.25	0.069	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Cadmium	**0.64**		0.32	0.047	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Calcium	**4500**		320	41	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Chromium	**11**		0.32	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Cobalt	**7.7**		3.2	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Copper	**22**		1.6	0.96	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Iron	**18000**		6.4	6.2	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Lead	**15**		0.64	0.55	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Magnesium	**2500**		320	35	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Manganese	**320**		0.95	0.18	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Nickel	**19**		2.5	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Potassium	**560**		320	54	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Selenium	**0.38**	**J**	0.64	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159065-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S22
Lab Sample ID: 180-159065-20
Date Collected: 07/11/23 14:25
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.32	0.066	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Sodium	**41**	**J**	320	33	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Thallium	ND		1.3	0.18	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Vanadium	**17**		3.2	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1
Zinc	**56**		1.3	0.92	mg/Kg	☼	07/13/23 07:15	07/14/23 15:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.057**		0.037	0.023	mg/Kg	☼	07/13/23 09:05	07/14/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.6**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**90.4**		0.1	0.1	%			07/12/23 12:50	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-440243/9
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/13/23 12:43	1
Benzene	ND		5.0	1.4	ug/Kg			07/13/23 12:43	1
Bromoform	ND		5.0	2.5	ug/Kg			07/13/23 12:43	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/13/23 12:43	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/13/23 12:43	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/13/23 12:43	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/13/23 12:43	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/13/23 12:43	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/13/23 12:43	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/13/23 12:43	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/13/23 12:43	1
Chloroform	ND		5.0	3.4	ug/Kg			07/13/23 12:43	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/13/23 12:43	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/13/23 12:43	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/13/23 12:43	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/13/23 12:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/13/23 12:43	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/13/23 12:43	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/13/23 12:43	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/13/23 12:43	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/13/23 12:43	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/13/23 12:43	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/13/23 12:43	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/13/23 12:43	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/13/23 12:43	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/13/23 12:43	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/13/23 12:43	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/13/23 12:43	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/13/23 12:43	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/13/23 12:43	1
2-Hexanone	ND		25	1.6	ug/Kg			07/13/23 12:43	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/13/23 12:43	1
Methyl acetate	ND		25	7.4	ug/Kg			07/13/23 12:43	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/13/23 12:43	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/13/23 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/13/23 12:43	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/13/23 12:43	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/13/23 12:43	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/13/23 12:43	1
Styrene	ND		5.0	1.5	ug/Kg			07/13/23 12:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/13/23 12:43	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/13/23 12:43	1
Toluene	ND		5.0	1.4	ug/Kg			07/13/23 12:43	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/13/23 12:43	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/13/23 12:43	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/13/23 12:43	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/13/23 12:43	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/13/23 12:43	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440243/9
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/13/23 12:43	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/13/23 12:43	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/13/23 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/13/23 12:43	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/13/23 12:43	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/13/23 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*		*07/13/23 12:43*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*		*07/13/23 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*		*07/13/23 12:43*	*1*
Toluene-d8 (Surr)	*71*		*67 - 134*		*07/13/23 12:43*	*1*

Lab Sample ID: LCS 180-440243/19
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	37.0		ug/Kg		93	23 - 170
Benzene	40.0	40.1		ug/Kg		100	77 - 120
Bromoform	40.0	28.6		ug/Kg		72	37 - 147
Bromomethane	40.0	31.3		ug/Kg		78	47 - 149
2-Butanone (MEK)	40.0	38.6		ug/Kg		96	39 - 157
Carbon disulfide	40.0	39.0		ug/Kg		97	40 - 156
Carbon tetrachloride	40.0	35.6		ug/Kg		89	73 - 130
Chlorobenzene	40.0	35.8		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	35.9		ug/Kg		90	64 - 128
Chlorodibromomethane	40.0	32.2		ug/Kg		81	60 - 134
Chloroethane	40.0	24.2		ug/Kg		60	37 - 159
Chloroform	40.0	39.0		ug/Kg		97	73 - 126
Chloromethane	40.0	46.9		ug/Kg		117	46 - 151
cis-1,2-Dichloroethene	40.0	39.1		ug/Kg		98	77 - 118
cis-1,3-Dichloropropene	40.0	36.3		ug/Kg		91	73 - 127
Cyclohexane	40.0	39.4		ug/Kg		99	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	31.1		ug/Kg		78	30 - 163
1,2-Dibromoethane	40.0	35.8		ug/Kg		89	59 - 137
1,2-Dichlorobenzene	40.0	36.8		ug/Kg		92	76 - 120
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.0		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	37.2		ug/Kg		93	75 - 123
Dichlorodifluoromethane	40.0	43.0		ug/Kg		107	26 - 149
1,1-Dichloroethane	40.0	39.8		ug/Kg		100	73 - 124
1,2-Dichloroethane	40.0	36.1		ug/Kg		90	64 - 140
1,1-Dichloroethene	40.0	40.9		ug/Kg		102	55 - 136
1,2-Dichloroethene, Total	80.0	78.9		ug/Kg		99	77 - 119
1,2-Dichloropropane	40.0	39.4		ug/Kg		98	77 - 119
1,4-Dioxane	800	875	J	ug/Kg		109	18 - 166
Ethylbenzene	40.0	36.7		ug/Kg		92	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440243/19
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	33.9		ug/Kg		85	42 - 152
Isopropylbenzene	40.0	37.8		ug/Kg		95	70 - 125
Methyl acetate	80.0	84.2		ug/Kg		105	20 - 170
Methylcyclohexane	40.0	38.2		ug/Kg		96	70 - 125
Methylene Chloride	40.0	40.6		ug/Kg		101	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	33.6		ug/Kg		84	51 - 147
Methyl tert-butyl ether	40.0	36.0		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	36.5		ug/Kg		91	77 - 120
o-Xylene	40.0	36.1		ug/Kg		90	78 - 118
Styrene	40.0	36.8		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	34.6		ug/Kg		87	36 - 170
Tetrachloroethene	40.0	36.9		ug/Kg		92	71 - 121
Toluene	40.0	37.5		ug/Kg		94	76 - 120
trans-1,2-Dichloroethene	40.0	39.7		ug/Kg		99	75 - 122
trans-1,3-Dichloropropene	40.0	36.4		ug/Kg		91	68 - 133
1,2,3-Trichlorobenzene	40.0	37.1		ug/Kg		93	29 - 166
1,2,4-Trichlorobenzene	40.0	38.3		ug/Kg		96	22 - 170
1,1,1-Trichloroethane	40.0	37.9		ug/Kg		95	72 - 134
1,1,2-Trichloroethane	40.0	35.9		ug/Kg		90	66 - 128
Trichloroethene	40.0	37.9		ug/Kg		95	69 - 118
Trichlorofluoromethane	40.0	34.8		ug/Kg		87	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.5		ug/Kg		96	59 - 135
Vinyl chloride	40.0	42.2		ug/Kg		105	64 - 134
Xylenes, Total	80.0	72.6		ug/Kg		91	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*
Dibromofluoromethane (Surr)	*77*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*73*		*73 - 135*
Toluene-d8 (Surr)	*75*		*67 - 134*

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		43.5	40.0		ug/Kg	☼	92	23 - 170
Benzene	ND		43.5	36.4		ug/Kg	☼	84	77 - 120
Bromoform	ND		43.5	36.2		ug/Kg	☼	83	37 - 147
Bromomethane	ND	F1	43.5	5.34	J F1	ug/Kg	☼	12	47 - 149
2-Butanone (MEK)	ND		43.5	33.1		ug/Kg	☼	76	39 - 157
Carbon disulfide	ND	F1	43.5	5.17	J F1	ug/Kg	☼	12	40 - 156
Carbon tetrachloride	ND	F1	43.5	31.9		ug/Kg	☼	73	73 - 130
Chlorobenzene	ND		43.5	40.8		ug/Kg	☼	94	79 - 122
Chlorobromomethane	ND		43.5	35.4		ug/Kg	☼	81	64 - 128
Chlorodibromomethane	ND		43.5	38.4		ug/Kg	☼	88	60 - 134
Chloroethane	ND	F1	43.5	5.44	F1	ug/Kg	☼	13	37 - 159
Chloroform	ND		43.5	39.6		ug/Kg	☼	91	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND	F1	43.5	4.30	J F1	ug/Kg	☼	10	46 - 151
cis-1,2-Dichloroethene	ND		43.5	36.1		ug/Kg	☼	83	77 - 118
cis-1,3-Dichloropropene	ND		43.5	42.5		ug/Kg	☼	98	73 - 127
Cyclohexane	ND	F1	43.5	22.5	F1	ug/Kg	☼	52	63 - 143
1,2-Dibromo-3-Chloropropane	ND		43.5	40.4		ug/Kg	☼	93	30 - 163
1,2-Dibromoethane	ND		43.5	41.9		ug/Kg	☼	96	59 - 137
1,2-Dichlorobenzene	ND		43.5	42.4		ug/Kg	☼	97	76 - 120
1,3-Dichlorobenzene	ND		43.5	42.8		ug/Kg	☼	98	77 - 121
1,4-Dichlorobenzene	ND		43.5	42.5		ug/Kg	☼	98	79 - 120
Dichlorobromomethane	ND		43.5	41.3		ug/Kg	☼	95	75 - 123
Dichlorodifluoromethane	ND	F1	43.5	ND	F1	ug/Kg	☼	0	26 - 149
1,1-Dichloroethane	ND		43.5	32.5		ug/Kg	☼	75	73 - 124
1,2-Dichloroethane	ND		43.5	38.2		ug/Kg	☼	88	64 - 140
1,1-Dichloroethene	ND	F1	43.5	13.0	F1	ug/Kg	☼	30	55 - 136
1,2-Dichloroethene, Total	ND	F1	87.1	63.2	F1	ug/Kg	☼	73	77 - 119
1,2-Dichloropropane	ND		43.5	40.8		ug/Kg	☼	94	77 - 119
1,4-Dioxane	ND		871	1140		ug/Kg	☼	131	18 - 166
Ethylbenzene	ND		43.5	41.8		ug/Kg	☼	96	79 - 119
2-Hexanone	ND		43.5	37.0		ug/Kg	☼	85	42 - 152
Isopropylbenzene	ND		43.5	42.7		ug/Kg	☼	98	70 - 125
Methyl acetate	ND		87.1	82.2		ug/Kg	☼	94	20 - 170
Methylcyclohexane	ND	F1	43.5	30.8		ug/Kg	☼	71	70 - 125
Methylene Chloride	ND		43.5	29.3		ug/Kg	☼	67	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		43.5	40.1		ug/Kg	☼	92	51 - 147
Methyl tert-butyl ether	ND		43.5	34.6		ug/Kg	☼	80	58 - 132
m-Xylene & p-Xylene	ND		43.5	41.9		ug/Kg	☼	96	77 - 120
o-Xylene	ND		43.5	42.4		ug/Kg	☼	97	78 - 118
Styrene	ND		43.5	42.3		ug/Kg	☼	97	80 - 120
1,1,2,2-Tetrachloroethane	ND		43.5	42.9		ug/Kg	☼	99	36 - 170
Tetrachloroethene	ND		43.5	38.2		ug/Kg	☼	88	71 - 121
Toluene	ND		43.5	40.1		ug/Kg	☼	92	76 - 120
trans-1,2-Dichloroethene	ND	F1	43.5	27.2	F1	ug/Kg	☼	62	75 - 122
trans-1,3-Dichloropropene	ND		43.5	42.0		ug/Kg	☼	97	68 - 133
1,2,3-Trichlorobenzene	ND		43.5	44.7		ug/Kg	☼	103	29 - 166
1,2,4-Trichlorobenzene	ND		43.5	44.5		ug/Kg	☼	102	22 - 170
1,1,1-Trichloroethane	ND		43.5	33.9		ug/Kg	☼	78	72 - 134
1,1,2-Trichloroethane	ND		43.5	42.8		ug/Kg	☼	98	66 - 128
Trichloroethene	ND		43.5	37.4		ug/Kg	☼	86	69 - 118
Trichlorofluoromethane	ND	F1	43.5	13.7	F1	ug/Kg	☼	31	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	43.5	15.3	F1	ug/Kg	☼	35	59 - 135
Vinyl chloride	ND	F1	43.5	5.71	F1	ug/Kg	☼	13	64 - 134
Xylenes, Total	ND		87.1	84.3		ug/Kg	☼	97	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*88*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440286

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*84*		*67 - 134*

Lab Sample ID: 180-159065-9 MSD
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		44.4	39.3		ug/Kg	☼	89	23 - 170	2	35
Benzene	ND		44.4	36.1		ug/Kg	☼	81	77 - 120	1	20
Bromoform	ND		44.4	39.0		ug/Kg	☼	88	37 - 147	7	23
Bromomethane	ND	F1	44.4	5.79	F1	ug/Kg	☼	13	47 - 149	8	25
2-Butanone (MEK)	ND		44.4	35.0		ug/Kg	☼	79	39 - 157	6	33
Carbon disulfide	ND	F1	44.4	5.11	J F1	ug/Kg	☼	12	40 - 156	1	25
Carbon tetrachloride	ND	F1	44.4	31.1	F1	ug/Kg	☼	70	73 - 130	3	21
Chlorobenzene	ND		44.4	40.2		ug/Kg	☼	91	79 - 122	1	20
Chlorobromomethane	ND		44.4	37.0		ug/Kg	☼	83	64 - 128	4	20
Chlorodibromomethane	ND		44.4	39.5		ug/Kg	☼	89	60 - 134	3	40
Chloroethane	ND	F1	44.4	5.10	J F1	ug/Kg	☼	11	37 - 159	7	25
Chloroform	ND		44.4	39.9		ug/Kg	☼	90	73 - 126	1	20
Chloromethane	ND	F1	44.4	4.24	J F1	ug/Kg	☼	10	46 - 151	1	33
cis-1,2-Dichloroethene	ND		44.4	36.2		ug/Kg	☼	82	77 - 118	0	20
cis-1,3-Dichloropropene	ND		44.4	44.2		ug/Kg	☼	100	73 - 127	4	20
Cyclohexane	ND	F1	44.4	21.8	F1	ug/Kg	☼	49	63 - 143	3	25
1,2-Dibromo-3-Chloropropane	ND		44.4	43.0		ug/Kg	☼	97	30 - 163	6	34
1,2-Dibromoethane	ND		44.4	45.1		ug/Kg	☼	102	59 - 137	7	20
1,2-Dichlorobenzene	ND		44.4	42.9		ug/Kg	☼	97	76 - 120	1	20
1,3-Dichlorobenzene	ND		44.4	42.2		ug/Kg	☼	95	77 - 121	1	20
1,4-Dichlorobenzene	ND		44.4	42.1		ug/Kg	☼	95	79 - 120	1	20
Dichlorobromomethane	ND		44.4	42.6		ug/Kg	☼	96	75 - 123	3	20
Dichlorodifluoromethane	ND	F1	44.4	ND	F1	ug/Kg	☼	0	26 - 149	NC	24
1,1-Dichloroethane	ND		44.4	32.3		ug/Kg	☼	73	73 - 124	1	20
1,2-Dichloroethane	ND		44.4	39.3		ug/Kg	☼	89	64 - 140	3	20
1,1-Dichloroethene	ND	F1	44.4	12.6	F1	ug/Kg	☼	28	55 - 136	3	21
1,2-Dichloroethene, Total	ND	F1	88.7	62.4	F1	ug/Kg	☼	70	77 - 119	1	20
1,2-Dichloropropane	ND		44.4	41.8		ug/Kg	☼	94	77 - 119	3	20
1,4-Dioxane	ND		887	1240		ug/Kg	☼	139	18 - 166	8	40
Ethylbenzene	ND		44.4	40.1		ug/Kg	☼	90	79 - 119	4	20
2-Hexanone	ND		44.4	39.3		ug/Kg	☼	89	42 - 152	6	30
Isopropylbenzene	ND		44.4	41.5		ug/Kg	☼	94	70 - 125	3	21
Methyl acetate	ND		88.7	90.8		ug/Kg	☼	102	20 - 170	10	33
Methylcyclohexane	ND	F1	44.4	30.1	F1	ug/Kg	☼	68	70 - 125	2	22
Methylene Chloride	ND		44.4	30.2		ug/Kg	☼	68	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)	ND		44.4	43.9		ug/Kg	☼	99	51 - 147	9	27
Methyl tert-butyl ether	ND		44.4	36.7		ug/Kg	☼	83	58 - 132	6	24
m-Xylene & p-Xylene	ND		44.4	40.3		ug/Kg	☼	91	77 - 120	4	20
o-Xylene	ND		44.4	40.9		ug/Kg	☼	92	78 - 118	4	20
Styrene	ND		44.4	41.7		ug/Kg	☼	94	80 - 120	1	20
1,1,2,2-Tetrachloroethane	ND		44.4	45.8		ug/Kg	☼	103	36 - 170	6	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159065-9 MSD
Matrix: Solid
Analysis Batch: 440243

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	ND		44.4	37.2		ug/Kg	☼	84	71 - 121	3	21
Toluene	ND		44.4	39.5		ug/Kg	☼	89	76 - 120	2	20
trans-1,2-Dichloroethene	ND	F1	44.4	26.2	F1	ug/Kg	☼	59	75 - 122	4	20
trans-1,3-Dichloropropene	ND		44.4	43.5		ug/Kg	☼	98	68 - 133	3	20
1,2,3-Trichlorobenzene	ND		44.4	45.3		ug/Kg	☼	102	29 - 166	1	40
1,2,4-Trichlorobenzene	ND		44.4	44.4		ug/Kg	☼	100	22 - 170	0	29
1,1,1-Trichloroethane	ND		44.4	33.0		ug/Kg	☼	74	72 - 134	3	20
1,1,2-Trichloroethane	ND		44.4	44.0		ug/Kg	☼	99	66 - 128	3	21
Trichloroethene	ND		44.4	36.9		ug/Kg	☼	83	69 - 118	1	20
Trichlorofluoromethane	ND	F1	44.4	12.8	F1	ug/Kg	☼	29	32 - 149	6	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	44.4	14.5	F1	ug/Kg	☼	33	59 - 135	5	28
Vinyl chloride	ND	F1	44.4	5.39	J F1	ug/Kg	☼	12	64 - 134	6	23
Xylenes, Total	ND		88.7	81.2		ug/Kg	☼	92	78 - 118	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*91*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*83*		*67 - 134*

Lab Sample ID: MB 180-440379/8
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/14/23 14:43	1
Benzene	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
Bromoform	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/14/23 14:43	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/14/23 14:43	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/14/23 14:43	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/14/23 14:43	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/14/23 14:43	1
Chloroform	ND		5.0	3.4	ug/Kg			07/14/23 14:43	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/14/23 14:43	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/14/23 14:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/14/23 14:43	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/14/23 14:43	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/14/23 14:43	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440379/8
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/14/23 14:43	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/14/23 14:43	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/14/23 14:43	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/14/23 14:43	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/14/23 14:43	1
2-Hexanone	ND		25	1.6	ug/Kg			07/14/23 14:43	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/14/23 14:43	1
Methyl acetate	ND		25	7.4	ug/Kg			07/14/23 14:43	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/14/23 14:43	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/14/23 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/14/23 14:43	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/14/23 14:43	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Styrene	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Toluene	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/14/23 14:43	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/14/23 14:43	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/14/23 14:43	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/14/23 14:43	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/14/23 14:43	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/14/23 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/14/23 14:43	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/14/23 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*		*07/14/23 14:43*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*		*07/14/23 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*		*07/14/23 14:43*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*		*07/14/23 14:43*	*1*

Lab Sample ID: LCS 180-440379/4
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	38.9		ug/Kg		97	23 - 170
Benzene	40.0	40.2		ug/Kg		100	77 - 120
Bromoform	40.0	28.9		ug/Kg		72	37 - 147
Bromomethane	40.0	34.0		ug/Kg		85	47 - 149
2-Butanone (MEK)	40.0	34.3		ug/Kg		86	39 - 157

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440379/4
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	40.0	39.4		ug/Kg		98	40 - 156
Carbon tetrachloride	40.0	34.4		ug/Kg		86	73 - 130
Chlorobenzene	40.0	35.6		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	36.4		ug/Kg		91	64 - 128
Chlorodibromomethane	40.0	32.3		ug/Kg		81	60 - 134
Chloroethane	40.0	29.2		ug/Kg		73	37 - 159
Chloroform	40.0	39.4		ug/Kg		99	73 - 126
Chloromethane	40.0	48.9		ug/Kg		122	46 - 151
cis-1,2-Dichloroethene	40.0	39.1		ug/Kg		98	77 - 118
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127
Cyclohexane	40.0	37.4		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	31.2		ug/Kg		78	30 - 163
1,2-Dibromoethane	40.0	34.4		ug/Kg		86	59 - 137
1,2-Dichlorobenzene	40.0	37.5		ug/Kg		94	76 - 120
1,3-Dichlorobenzene	40.0	37.8		ug/Kg		95	77 - 121
1,4-Dichlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Dichlorobromomethane	40.0	37.6		ug/Kg		94	75 - 123
Dichlorodifluoromethane	40.0	42.2		ug/Kg		105	26 - 149
1,1-Dichloroethane	40.0	39.5		ug/Kg		99	73 - 124
1,2-Dichloroethane	40.0	36.2		ug/Kg		90	64 - 140
1,1-Dichloroethene	40.0	40.2		ug/Kg		101	55 - 136
1,2-Dichloroethene, Total	80.0	78.4		ug/Kg		98	77 - 119
1,2-Dichloropropane	40.0	38.4		ug/Kg		96	77 - 119
1,4-Dioxane	800	875	J	ug/Kg		109	18 - 166
Ethylbenzene	40.0	36.1		ug/Kg		90	79 - 119
2-Hexanone	40.0	29.3		ug/Kg		73	42 - 152
Isopropylbenzene	40.0	36.5		ug/Kg		91	70 - 125
Methyl acetate	80.0	84.7		ug/Kg		106	20 - 170
Methylcyclohexane	40.0	36.6		ug/Kg		92	70 - 125
Methylene Chloride	40.0	51.6		ug/Kg		129	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	31.3		ug/Kg		78	51 - 147
Methyl tert-butyl ether	40.0	35.9		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	35.8		ug/Kg		90	77 - 120
o-Xylene	40.0	35.5		ug/Kg		89	78 - 118
Styrene	40.0	36.8		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	33.9		ug/Kg		85	36 - 170
Tetrachloroethene	40.0	34.4		ug/Kg		86	71 - 121
Toluene	40.0	36.6		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	39.3		ug/Kg		98	75 - 122
trans-1,3-Dichloropropene	40.0	35.3		ug/Kg		88	68 - 133
1,2,3-Trichlorobenzene	40.0	37.3		ug/Kg		93	29 - 166
1,2,4-Trichlorobenzene	40.0	37.3		ug/Kg		93	22 - 170
1,1,1-Trichloroethane	40.0	37.1		ug/Kg		93	72 - 134
1,1,2-Trichloroethane	40.0	34.4		ug/Kg		86	66 - 128
Trichloroethene	40.0	36.8		ug/Kg		92	69 - 118
Trichlorofluoromethane	40.0	43.2		ug/Kg		108	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.1		ug/Kg		90	59 - 135
Vinyl chloride	40.0	43.2		ug/Kg		108	64 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440379/4
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			80.0	71.3		ug/Kg		89	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*
Toluene-d8 (Surr)	*87*		*67 - 134*

Lab Sample ID: LCSD 180-440379/5
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	44.1		ug/Kg		110	23 - 170	13	35
Benzene			40.0	42.1		ug/Kg		105	77 - 120	5	20
Bromoform			40.0	32.0		ug/Kg		80	37 - 147	10	23
Bromomethane			40.0	35.8		ug/Kg		89	47 - 149	5	25
2-Butanone (MEK)			40.0	41.6		ug/Kg		104	39 - 157	19	33
Carbon disulfide			40.0	44.6		ug/Kg		112	40 - 156	12	25
Carbon tetrachloride			40.0	38.6		ug/Kg		97	73 - 130	11	21
Chlorobenzene			40.0	38.1		ug/Kg		95	79 - 122	7	20
Chlorobromomethane			40.0	38.0		ug/Kg		95	64 - 128	4	20
Chlorodibromomethane			40.0	34.3		ug/Kg		86	60 - 134	6	40
Chloroethane			40.0	32.3		ug/Kg		81	37 - 159	10	25
Chloroform			40.0	41.4		ug/Kg		104	73 - 126	5	20
Chloromethane			40.0	51.3		ug/Kg		128	46 - 151	5	33
cis-1,2-Dichloroethene			40.0	42.0		ug/Kg		105	77 - 118	7	20
cis-1,3-Dichloropropene			40.0	37.3		ug/Kg		93	73 - 127	5	20
Cyclohexane			40.0	41.9		ug/Kg		105	63 - 143	11	25
1,2-Dibromo-3-Chloropropane			40.0	32.5		ug/Kg		81	30 - 163	4	34
1,2-Dibromoethane			40.0	36.5		ug/Kg		91	59 - 137	6	20
1,2-Dichlorobenzene			40.0	38.7		ug/Kg		97	76 - 120	3	20
1,3-Dichlorobenzene			40.0	39.1		ug/Kg		98	77 - 121	3	20
1,4-Dichlorobenzene			40.0	38.6		ug/Kg		96	79 - 120	3	20
Dichlorobromomethane			40.0	38.7		ug/Kg		97	75 - 123	3	20
Dichlorodifluoromethane			40.0	46.5		ug/Kg		116	26 - 149	10	24
1,1-Dichloroethane			40.0	43.0		ug/Kg		108	73 - 124	8	20
1,2-Dichloroethane			40.0	37.7		ug/Kg		94	64 - 140	4	20
1,1-Dichloroethene			40.0	44.3		ug/Kg		111	55 - 136	10	21
1,2-Dichloroethene, Total			80.0	84.9		ug/Kg		106	77 - 119	8	20
1,2-Dichloropropane			40.0	41.5		ug/Kg		104	77 - 119	8	20
1,4-Dioxane			800	903	J	ug/Kg		113	18 - 166	3	40
Ethylbenzene			40.0	40.0		ug/Kg		100	79 - 119	10	20
2-Hexanone			40.0	34.7		ug/Kg		87	42 - 152	17	30
Isopropylbenzene			40.0	41.1		ug/Kg		103	70 - 125	12	21
Methyl acetate			80.0	87.2		ug/Kg		109	20 - 170	3	33
Methylcyclohexane			40.0	40.7		ug/Kg		102	70 - 125	11	22
Methylene Chloride			40.0	44.9		ug/Kg		112	67 - 131	14	32

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440379/5
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)			40.0	34.0		ug/Kg		85	51 - 147	8	27
Methyl tert-butyl ether			40.0	38.9		ug/Kg		97	58 - 132	8	24
m-Xylene & p-Xylene			40.0	39.5		ug/Kg		99	77 - 120	10	20
o-Xylene			40.0	38.9		ug/Kg		97	78 - 118	9	20
Styrene			40.0	39.6		ug/Kg		99	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	37.7		ug/Kg		94	36 - 170	11	23
Tetrachloroethene			40.0	38.1		ug/Kg		95	71 - 121	10	21
Toluene			40.0	39.7		ug/Kg		99	76 - 120	8	20
trans-1,2-Dichloroethene			40.0	42.9		ug/Kg		107	75 - 122	9	20
trans-1,3-Dichloropropene			40.0	38.0		ug/Kg		95	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	37.0		ug/Kg		92	29 - 166	1	40
1,2,4-Trichlorobenzene			40.0	38.5		ug/Kg		96	22 - 170	3	29
1,1,1-Trichloroethane			40.0	40.9		ug/Kg		102	72 - 134	10	20
1,1,2-Trichloroethane			40.0	37.5		ug/Kg		94	66 - 128	9	21
Trichloroethene			40.0	39.2		ug/Kg		98	69 - 118	6	20
Trichlorofluoromethane			40.0	47.4		ug/Kg		118	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	40.9		ug/Kg		102	59 - 135	12	28
Vinyl chloride			40.0	47.2		ug/Kg		118	64 - 134	9	23
Xylenes, Total			80.0	78.4		ug/Kg		98	78 - 118	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*88*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440256/1-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Acenaphthylene	ND		67	15	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Acetophenone	ND		670	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Anthracene	ND		67	17	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Atrazine	ND		670	150	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Benzaldehyde	ND		670	41	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/13/23 08:01	07/13/23 13:06	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440256/1-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Caprolactam	ND		1700	220	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Carbazole	ND		67	16	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
4-Chloroaniline	ND		330	88	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2-Chlorophenol	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Chrysene	ND		67	37	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Dibenzofuran	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Diethyl phthalate	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
1,4-Dioxane	ND		670	100	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Fluoranthene	ND		67	18	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Fluorene	ND		67	13	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Hexachloroethane	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Isophorone	ND		330	130	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2-Methylphenol	ND		330	96	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Naphthalene	ND		67	13	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Nitrobenzene	ND		670	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2-Nitrophenol	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Phenanthrene	ND		67	18	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Phenol	ND		330	100	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
Pyrene	ND		67	16	ug/Kg		07/13/23 08:01	07/13/23 13:06	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440256/1-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/13/23 08:01	07/13/23 13:06	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/13/23 08:01	07/13/23 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/13/23 08:01*	*07/13/23 13:06*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*07/13/23 08:01*	*07/13/23 13:06*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*07/13/23 08:01*	*07/13/23 13:06*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*07/13/23 08:01*	*07/13/23 13:06*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*07/13/23 08:01*	*07/13/23 13:06*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*07/13/23 08:01*	*07/13/23 13:06*	*1*

Lab Sample ID: LCS 180-440256/2-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4760		ug/Kg		71	50 - 100
Acenaphthylene	6670	5190		ug/Kg		78	52 - 100
Acetophenone	6670	4920		ug/Kg		74	48 - 100
Anthracene	6670	5080		ug/Kg		76	53 - 100
Atrazine	6670	4840		ug/Kg		73	49 - 103
Benzaldehyde	6670	5500		ug/Kg		82	23 - 105
Benzo[a]anthracene	6670	5320		ug/Kg		80	51 - 100
Benzo[a]pyrene	6670	4710		ug/Kg		71	51 - 100
Benzo[b]fluoranthene	6670	4090		ug/Kg		61	48 - 100
Benzo[g,h,i]perylene	6670	5160		ug/Kg		77	48 - 105
Benzo[k]fluoranthene	6670	4330		ug/Kg		65	19 - 100
1,1'-Biphenyl	6670	4780		ug/Kg		72	50 - 100
Bis(2-chloroethoxy)methane	6670	5200		ug/Kg		78	49 - 100
Bis(2-chloroethyl)ether	6670	4870		ug/Kg		73	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5550		ug/Kg		83	53 - 107
4-Bromophenyl phenyl ether	6670	5050		ug/Kg		76	52 - 101
Butyl benzyl phthalate	6670	5140		ug/Kg		77	52 - 107
Caprolactam	6670	5120		ug/Kg		77	48 - 111
Carbazole	6670	4880		ug/Kg		73	53 - 100
4-Chloroaniline	6670	4920		ug/Kg		74	47 - 100
4-Chloro-3-methylphenol	6670	5420		ug/Kg		81	49 - 106
2-Chloronaphthalene	6670	4780		ug/Kg		72	51 - 100
2-Chlorophenol	6670	4630		ug/Kg		69	51 - 100
4-Chlorophenyl phenyl ether	6670	5360		ug/Kg		80	52 - 100
Chrysene	6670	5350		ug/Kg		80	50 - 100
Dibenz(a,h)anthracene	6670	5310		ug/Kg		80	50 - 107
Dibenzofuran	6670	4930		ug/Kg		74	52 - 100
3,3'-Dichlorobenzidine	6670	4680		ug/Kg		70	43 - 100
2,4-Dichlorophenol	6670	5190		ug/Kg		78	53 - 101
Diethyl phthalate	6670	5560		ug/Kg		83	48 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440256/2-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	6670	4440		ug/Kg		67	51 - 101
Dimethyl phthalate	6670	5270		ug/Kg		79	53 - 100
Di-n-butyl phthalate	6670	5430		ug/Kg		81	57 - 102
4,6-Dinitro-2-methylphenol	13300	9400		ug/Kg		71	51 - 100
2,4-Dinitrophenol	13300	8750		ug/Kg		66	33 - 101
2,4-Dinitrotoluene	6670	5540		ug/Kg		83	54 - 104
2,6-Dinitrotoluene	6670	5180		ug/Kg		78	51 - 106
Di-n-octyl phthalate	6670	4580		ug/Kg		69	41 - 106
1,4-Dioxane	6670	5300		ug/Kg		79	25 - 125
Fluoranthene	6670	5330		ug/Kg		80	55 - 100
Fluorene	6670	5070		ug/Kg		76	52 - 100
Hexachlorobenzene	6670	4870		ug/Kg		73	49 - 100
Hexachlorobutadiene	6670	5760		ug/Kg		86	38 - 107
Hexachlorocyclopentadiene	6670	3870		ug/Kg		58	33 - 117
Hexachloroethane	6670	4850		ug/Kg		73	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5230		ug/Kg		78	51 - 103
Isophorone	6670	5870		ug/Kg		88	48 - 105
2-Methylnaphthalene	6670	5120		ug/Kg		77	53 - 100
2-Methylphenol	6670	4560		ug/Kg		68	50 - 101
Methylphenol, 3 & 4	6670	4700		ug/Kg		70	50 - 103
Naphthalene	6670	4990		ug/Kg		75	51 - 100
2-Nitroaniline	6670	6100		ug/Kg		92	42 - 123
3-Nitroaniline	6670	5130		ug/Kg		77	50 - 103
4-Nitroaniline	6670	5360		ug/Kg		80	52 - 103
Nitrobenzene	6670	5910		ug/Kg		89	44 - 108
2-Nitrophenol	6670	5240		ug/Kg		79	55 - 107
4-Nitrophenol	13300	14300		ug/Kg		107	30 - 134
N-Nitrosodi-n-propylamine	6670	5310		ug/Kg		80	45 - 107
N-Nitrosodiphenylamine	6670	4870		ug/Kg		73	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4410		ug/Kg		66	30 - 113
Pentachlorophenol	13300	10600		ug/Kg		79	42 - 110
Phenanthrene	6670	4810		ug/Kg		72	53 - 100
Phenol	6670	4680		ug/Kg		70	49 - 100
Pyrene	6670	4910		ug/Kg		74	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5240		ug/Kg		79	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5380		ug/Kg		81	47 - 104
2,4,5-Trichlorophenol	6670	5340		ug/Kg		80	50 - 104
2,4,6-Trichlorophenol	6670	5350		ug/Kg		80	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*44 - 105*
2-Fluorophenol (Surr)	*72*		*48 - 105*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*
Phenol-d5 (Surr)	*70*		*46 - 105*
Terphenyl-d14 (Surr)	*65*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159065-9 MS
Client Sample ID: SSHS-ISMP-NAF-UT-S15
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440291
Prep Batch: 440256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7390	6580		ug/Kg	☼	89	50 - 100
Acenaphthylene	ND		7390	7100		ug/Kg	☼	96	52 - 100
Acetophenone	ND		7390	6680		ug/Kg	☼	90	48 - 100
Anthracene	ND		7390	6840		ug/Kg	☼	93	53 - 100
Atrazine	ND	F1	7390	1010	F1	ug/Kg	☼	14	49 - 103
Benzaldehyde	ND	F1	7390	418	J F1	ug/Kg	☼	6	23 - 105
Benzo[a]anthracene	ND	F1	7390	7600	F1	ug/Kg	☼	103	51 - 100
Benzo[a]pyrene	ND		7390	6860		ug/Kg	☼	93	51 - 100
Benzo[b]fluoranthene	ND		7390	5980		ug/Kg	☼	81	48 - 100
Benzo[g,h,i]perylene	ND		7390	7380		ug/Kg	☼	100	48 - 105
Benzo[k]fluoranthene	ND		7390	6450		ug/Kg	☼	87	19 - 100
1,1'-Biphenyl	ND		7390	6690		ug/Kg	☼	91	50 - 100
Bis(2-chloroethoxy)methane	ND		7390	7310		ug/Kg	☼	99	49 - 100
Bis(2-chloroethyl)ether	ND		7390	7150		ug/Kg	☼	97	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7390	7810		ug/Kg	☼	106	53 - 107
4-Bromophenyl phenyl ether	ND		7390	7150		ug/Kg	☼	97	52 - 101
Butyl benzyl phthalate	ND		7390	7750		ug/Kg	☼	105	52 - 107
Caprolactam	ND		7390	7130		ug/Kg	☼	96	48 - 111
Carbazole	ND		7390	6810		ug/Kg	☼	92	53 - 100
4-Chloroaniline	ND		7390	5010		ug/Kg	☼	68	47 - 100
4-Chloro-3-methylphenol	ND		7390	7500		ug/Kg	☼	101	49 - 106
2-Chloronaphthalene	ND		7390	6810		ug/Kg	☼	92	51 - 100
2-Chlorophenol	ND		7390	7120		ug/Kg	☼	96	51 - 100
4-Chlorophenyl phenyl ether	ND		7390	7320		ug/Kg	☼	99	52 - 100
Chrysene	ND	F1	7390	7770	F1	ug/Kg	☼	105	50 - 100
Dibenz(a,h)anthracene	ND		7390	7490		ug/Kg	☼	101	50 - 107
Dibenzofuran	ND		7390	6880		ug/Kg	☼	93	52 - 100
3,3'-Dichlorobenzidine	ND		7390	5670		ug/Kg	☼	77	43 - 100
2,4-Dichlorophenol	ND		7390	7480		ug/Kg	☼	101	53 - 101
Diethyl phthalate	ND		7390	7490		ug/Kg	☼	101	48 - 104
2,4-Dimethylphenol	ND		7390	6400		ug/Kg	☼	87	51 - 101
Dimethyl phthalate	ND		7390	7100		ug/Kg	☼	96	53 - 100
Di-n-butyl phthalate	ND		7390	7550		ug/Kg	☼	102	57 - 102
4,6-Dinitro-2-methylphenol	ND		14800	9410		ug/Kg	☼	64	51 - 100
2,4-Dinitrophenol	ND		14800	5830		ug/Kg	☼	39	33 - 101
2,4-Dinitrotoluene	ND	F1	7390	7740	F1	ug/Kg	☼	105	54 - 104
2,6-Dinitrotoluene	ND		7390	7040		ug/Kg	☼	95	51 - 106
Di-n-octyl phthalate	ND		7390	6610		ug/Kg	☼	89	41 - 106
1,4-Dioxane	ND		7390	7020		ug/Kg	☼	95	25 - 125
Fluoranthene	ND		7390	7270		ug/Kg	☼	98	55 - 100
Fluorene	ND		7390	6900		ug/Kg	☼	93	52 - 100
Hexachlorobenzene	ND		7390	6830		ug/Kg	☼	92	49 - 100
Hexachlorobutadiene	ND	F1	7390	7950	F1	ug/Kg	☼	108	38 - 107
Hexachlorocyclopentadiene	ND	F1	7390	1370	F1	ug/Kg	☼	19	33 - 117
Hexachloroethane	ND		7390	7050		ug/Kg	☼	95	47 - 100
Indeno[1,2,3-cd]pyrene	ND	F1	7390	7870	F1	ug/Kg	☼	106	51 - 103
Isophorone	ND		7390	6300		ug/Kg	☼	85	48 - 105
2-Methylnaphthalene	ND		7390	7210		ug/Kg	☼	98	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	ND		7390	6960		ug/Kg	☼	94	50 - 101
Methylphenol, 3 & 4	ND		7390	7250		ug/Kg	☼	98	50 - 103
Naphthalene	ND		7390	6940		ug/Kg	☼	94	51 - 100
2-Nitroaniline	ND		7390	8860		ug/Kg	☼	120	42 - 123
3-Nitroaniline	ND		7390	6810		ug/Kg	☼	92	50 - 103
4-Nitroaniline	ND		7390	6910		ug/Kg	☼	94	52 - 103
Nitrobenzene	ND	F1	7390	8280	F1	ug/Kg	☼	112	44 - 108
2-Nitrophenol	ND		7390	7450		ug/Kg	☼	101	55 - 107
4-Nitrophenol	ND		14800	18200		ug/Kg	☼	123	30 - 134
N-Nitrosodi-n-propylamine	ND	F1	7390	8190	F1	ug/Kg	☼	111	45 - 107
N-Nitrosodiphenylamine	ND		7390	6630		ug/Kg	☼	90	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7390	6530		ug/Kg	☼	88	30 - 113
Pentachlorophenol	ND		14800	12900		ug/Kg	☼	88	42 - 110
Phenanthrene	ND		7390	6540		ug/Kg	☼	88	53 - 100
Phenol	ND		7390	6810		ug/Kg	☼	92	49 - 100
Pyrene	ND		7390	7220		ug/Kg	☼	98	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7390	7180		ug/Kg	☼	97	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7390	7120		ug/Kg	☼	96	47 - 104
2,4,5-Trichlorophenol	ND		7390	7340		ug/Kg	☼	99	50 - 104
2,4,6-Trichlorophenol	ND		7390	7590		ug/Kg	☼	103	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*44 - 105*
2-Fluorophenol (Surr)	*96*		*48 - 105*
Nitrobenzene-d5 (Surr)	*104*		*46 - 105*
Phenol-d5 (Surr)	*97*		*46 - 105*
Terphenyl-d14 (Surr)	*88*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*95*		*34 - 108*

Lab Sample ID: 180-159065-9 MSD
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7490	6560		ug/Kg	☼	88	50 - 100	0	20
Acenaphthylene	ND		7490	7120		ug/Kg	☼	95	52 - 100	0	20
Acetophenone	ND		7490	6230		ug/Kg	☼	83	48 - 100	7	17
Anthracene	ND		7490	6860		ug/Kg	☼	92	53 - 100	0	20
Atrazine	ND	F1	7490	983	F1	ug/Kg	☼	13	49 - 103	3	19
Benzaldehyde	ND	F1	7490	442	J F1	ug/Kg	☼	6	23 - 105	6	31
Benzo[a]anthracene	ND	F1	7490	7280		ug/Kg	☼	97	51 - 100	4	21
Benzo[a]pyrene	ND		7490	6810		ug/Kg	☼	91	51 - 100	1	20
Benzo[b]fluoranthene	ND		7490	6020		ug/Kg	☼	80	48 - 100	1	20
Benzo[g,h,i]perylene	ND		7490	7330		ug/Kg	☼	98	48 - 105	1	19
Benzo[k]fluoranthene	ND		7490	6260		ug/Kg	☼	84	19 - 100	3	20
1,1'-Biphenyl	ND		7490	6700		ug/Kg	☼	90	50 - 100	0	19
Bis(2-chloroethoxy)methane	ND		7490	7230		ug/Kg	☼	96	49 - 100	1	20
Bis(2-chloroethyl)ether	ND		7490	6880		ug/Kg	☼	92	48 - 100	4	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159065-9 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S15
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440291
Prep Batch: 440256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	ND		7490	7400		ug/Kg	☼	99	53 - 107	5	20
4-Bromophenyl phenyl ether	ND		7490	7090		ug/Kg	☼	95	52 - 101	1	20
Butyl benzyl phthalate	ND		7490	7340		ug/Kg	☼	98	52 - 107	6	19
Caprolactam	ND		7490	6900		ug/Kg	☼	92	48 - 111	3	23
Carbazole	ND		7490	6820		ug/Kg	☼	91	53 - 100	0	20
4-Chloroaniline	ND		7490	4860		ug/Kg	☼	65	47 - 100	3	20
4-Chloro-3-methylphenol	ND		7490	7520		ug/Kg	☼	100	49 - 106	0	20
2-Chloronaphthalene	ND		7490	6800		ug/Kg	☼	91	51 - 100	0	20
2-Chlorophenol	ND		7490	6760		ug/Kg	☼	90	51 - 100	5	17
4-Chlorophenyl phenyl ether	ND		7490	7470		ug/Kg	☼	100	52 - 100	2	19
Chrysene	ND	F1	7490	7690	F1	ug/Kg	☼	103	50 - 100	1	20
Dibenz(a,h)anthracene	ND		7490	7590		ug/Kg	☼	101	50 - 107	1	21
Dibenzofuran	ND		7490	6820		ug/Kg	☼	91	52 - 100	1	19
3,3'-Dichlorobenzidine	ND		7490	5590		ug/Kg	☼	75	43 - 100	1	19
2,4-Dichlorophenol	ND		7490	6950		ug/Kg	☼	93	53 - 101	7	22
Diethyl phthalate	ND		7490	7510		ug/Kg	☼	100	48 - 104	0	20
2,4-Dimethylphenol	ND		7490	6270		ug/Kg	☼	84	51 - 101	2	32
Dimethyl phthalate	ND		7490	7130		ug/Kg	☼	95	53 - 100	1	21
Di-n-butyl phthalate	ND		7490	7500		ug/Kg	☼	100	57 - 102	1	20
4,6-Dinitro-2-methylphenol	ND		15000	9150		ug/Kg	☼	61	51 - 100	3	22
2,4-Dinitrophenol	ND		15000	5340		ug/Kg	☼	36	33 - 101	9	20
2,4-Dinitrotoluene	ND	F1	7490	7690		ug/Kg	☼	103	54 - 104	1	20
2,6-Dinitrotoluene	ND		7490	7340		ug/Kg	☼	98	51 - 106	4	20
Di-n-octyl phthalate	ND		7490	6670		ug/Kg	☼	89	41 - 106	1	18
1,4-Dioxane	ND		7490	6060		ug/Kg	☼	81	25 - 125	15	17
Fluoranthene	ND		7490	7190		ug/Kg	☼	96	55 - 100	1	20
Fluorene	ND		7490	6870		ug/Kg	☼	92	52 - 100	0	19
Hexachlorobenzene	ND		7490	6720		ug/Kg	☼	90	49 - 100	2	20
Hexachlorobutadiene	ND	F1	7490	7620		ug/Kg	☼	102	38 - 107	4	22
Hexachlorocyclopentadiene	ND	F1	7490	1390	F1	ug/Kg	☼	19	33 - 117	2	19
Hexachloroethane	ND		7490	6730		ug/Kg	☼	90	47 - 100	5	17
Indeno[1,2,3-cd]pyrene	ND	F1	7490	7560		ug/Kg	☼	101	51 - 103	4	19
Isophorone	ND		7490	6320		ug/Kg	☼	84	48 - 105	0	20
2-Methylnaphthalene	ND		7490	7020		ug/Kg	☼	94	53 - 100	3	21
2-Methylphenol	ND		7490	6710		ug/Kg	☼	90	50 - 101	4	17
Methylphenol, 3 & 4	ND		7490	7030		ug/Kg	☼	94	50 - 103	3	19
Naphthalene	ND		7490	6810		ug/Kg	☼	91	51 - 100	2	20
2-Nitroaniline	ND		7490	8700		ug/Kg	☼	116	42 - 123	2	19
3-Nitroaniline	ND		7490	6700		ug/Kg	☼	90	50 - 103	2	20
4-Nitroaniline	ND		7490	7320		ug/Kg	☼	98	52 - 103	6	18
Nitrobenzene	ND	F1	7490	8310	F1	ug/Kg	☼	111	44 - 108	0	21
2-Nitrophenol	ND		7490	7540		ug/Kg	☼	101	55 - 107	1	19
4-Nitrophenol	ND		15000	18600		ug/Kg	☼	124	30 - 134	2	18
N-Nitrosodi-n-propylamine	ND	F1	7490	7660		ug/Kg	☼	102	45 - 107	7	18
N-Nitrosodiphenylamine	ND		7490	6640		ug/Kg	☼	89	52 - 100	0	20
2,2'-oxybis[1-chloropropane]	ND		7490	6320		ug/Kg	☼	84	30 - 113	3	17
Pentachlorophenol	ND		15000	12800		ug/Kg	☼	85	42 - 110	1	20
Phenanthrene	ND		7490	6620		ug/Kg	☼	88	53 - 100	1	20
Phenol	ND		7490	6630		ug/Kg	☼	88	49 - 100	3	16

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159065-9 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S15
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440291
Prep Batch: 440256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	ND		7490	6980		ug/Kg	☼	93	52 - 100	3	20
1,2,4,5-Tetrachlorobenzene	ND		7490	7220		ug/Kg	☼	96	41 - 104	1	21
2,3,4,6-Tetrachlorophenol	ND		7490	7090		ug/Kg	☼	95	47 - 104	0	18
2,4,5-Trichlorophenol	ND		7490	7180		ug/Kg	☼	96	50 - 104	2	21
2,4,6-Trichlorophenol	ND		7490	7440		ug/Kg	☼	99	50 - 105	2	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*44 - 105*
2-Fluorophenol (Surr)	*88*		*48 - 105*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*
Phenol-d5 (Surr)	*89*		*46 - 105*
Terphenyl-d14 (Surr)	*84*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*94*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440197/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440226
Prep Batch: 440197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1221	ND		17	5.9	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1232	ND		17	4.1	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1242	ND		17	2.4	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1248	ND		17	4.0	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1254	ND		17	5.0	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1260	ND		17	4.7	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1262	ND		17	5.9	ug/Kg		07/12/23 16:20	07/13/23 07:57	1
PCB-1268	ND		17	2.2	ug/Kg		07/12/23 16:20	07/13/23 07:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*07/12/23 16:20*	*07/13/23 07:57*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*07/12/23 16:20*	*07/13/23 07:57*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/12/23 16:20*	*07/13/23 07:57*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/12/23 16:20*	*07/13/23 07:57*	*1*

Lab Sample ID: LCS 180-440197/2-C
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440226
Prep Batch: 440197

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1340		ug/Kg		100	43 - 136		
PCB-1260			1330	1330		ug/Kg		100	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-440197/2-C
Matrix: Solid
Analysis Batch: 440226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440197

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	111		55 - 135
Tetrachloro-m-xylene (Surr)	108		55 - 135

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440226

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440197

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1470	1150		ug/Kg	☼	78	43 - 136
PCB-1260	ND		1470	1090		ug/Kg	☼	74	55 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	76		63 - 138
DCB Decachlorobiphenyl (Surr)	73		63 - 138
Tetrachloro-m-xylene (Surr)	86		55 - 135
Tetrachloro-m-xylene (Surr)	85		55 - 135

Lab Sample ID: 180-159065-9 MSD
Matrix: Solid
Analysis Batch: 440226

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440197

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1490	887		ug/Kg	☼	60	43 - 136	25	40
PCB-1260	ND		1490	857		ug/Kg	☼	58	55 - 128	24	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	60	S1-	63 - 138
DCB Decachlorobiphenyl (Surr)	58	S1-	63 - 138
Tetrachloro-m-xylene (Surr)	65		55 - 135
Tetrachloro-m-xylene (Surr)	66		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440225/1-A
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		18	4.5	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Antimony	ND		0.89	0.27	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Arsenic	ND		0.89	0.56	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Barium	ND		18	3.2	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Beryllium	ND		0.36	0.097	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Cadmium	ND		0.45	0.066	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Calcium	ND		450	58	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Chromium	ND		0.45	0.41	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Cobalt	ND		4.5	0.63	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Copper	ND		2.2	1.3	mg/Kg		07/13/23 07:15	07/14/23 12:52	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-440225/1-A
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		8.9	8.7	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Lead	ND		0.89	0.78	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Magnesium	ND		450	49	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Manganese	ND		1.3	0.25	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Nickel	ND		3.6	0.45	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Potassium	ND		450	76	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Selenium	ND		0.89	0.41	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Silver	ND		0.45	0.093	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Sodium	ND		450	46	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Thallium	ND		1.8	0.25	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Vanadium	ND		4.5	0.71	mg/Kg		07/13/23 07:15	07/14/23 12:52	1
Zinc	ND		1.8	1.3	mg/Kg		07/13/23 07:15	07/14/23 12:52	1

Lab Sample ID: LCS 180-440225/2-A
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	463	460		mg/Kg		99	80 - 120
Antimony	23.1	23.1		mg/Kg		100	80 - 120
Arsenic	92.6	94.4		mg/Kg		102	80 - 120
Barium	92.6	92.2		mg/Kg		100	80 - 120
Beryllium	46.3	45.5		mg/Kg		98	80 - 120
Cadmium	46.3	44.9		mg/Kg		97	80 - 120
Calcium	2310	2240		mg/Kg		97	80 - 120
Chromium	46.3	46.3		mg/Kg		100	80 - 120
Cobalt	46.3	45.5		mg/Kg		98	80 - 120
Copper	46.3	47.4		mg/Kg		102	80 - 120
Iron	463	445		mg/Kg		96	80 - 120
Lead	46.3	46.3		mg/Kg		100	80 - 120
Magnesium	2310	2150		mg/Kg		93	80 - 120
Manganese	46.3	44.4		mg/Kg		96	80 - 120
Nickel	46.3	46.3		mg/Kg		100	80 - 120
Potassium	2310	2320		mg/Kg		100	80 - 120
Selenium	92.6	96.9		mg/Kg		105	80 - 120
Silver	23.1	23.3		mg/Kg		101	80 - 120
Sodium	2310	2520		mg/Kg		109	80 - 120
Thallium	92.6	90.6		mg/Kg		98	80 - 120
Vanadium	46.3	46.6		mg/Kg		101	80 - 120
Zinc	23.1	24.5		mg/Kg		106	80 - 120

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7200		384	9310	4	mg/Kg	☼	536	75 - 125
Antimony	ND	F1	19.2	7.03	F1	mg/Kg	☼	37	75 - 125
Arsenic	6.3		76.9	75.0		mg/Kg	☼	89	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	39		76.9	112		mg/Kg	☼	96	75 - 125
Beryllium	0.32		38.4	32.5		mg/Kg	☼	84	75 - 125
Cadmium	0.54		38.4	32.2		mg/Kg	☼	82	75 - 125
Calcium	1000		1920	2910		mg/Kg	☼	99	75 - 125
Chromium	10		38.4	45.8		mg/Kg	☼	93	75 - 125
Cobalt	6.5		38.4	46.0		mg/Kg	☼	103	75 - 125
Copper	20		38.4	61.3		mg/Kg	☼	107	75 - 125
Iron	16000		384	19200	4	mg/Kg	☼	869	75 - 125
Lead	8.9		38.4	50.9		mg/Kg	☼	109	75 - 125
Magnesium	2000	F1	1920	3810		mg/Kg	☼	93	75 - 125
Manganese	330		38.4	421	4	mg/Kg	☼	225	75 - 125
Nickel	16		38.4	58.8		mg/Kg	☼	111	75 - 125
Potassium	540		1920	2190		mg/Kg	☼	86	75 - 125
Selenium	ND		76.9	68.2		mg/Kg	☼	89	75 - 125
Silver	ND		19.2	17.3		mg/Kg	☼	90	75 - 125
Sodium	ND		1920	1870		mg/Kg	☼	97	75 - 125
Thallium	ND		76.9	74.4		mg/Kg	☼	97	75 - 125
Vanadium	14		38.4	50.3		mg/Kg	☼	95	75 - 125
Zinc	66	F1	19.2	80.0	F1	mg/Kg	☼	72	75 - 125

Lab Sample ID: 180-159065-9 MSD
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7200		384	8070	4	mg/Kg	☼	214	75 - 125	14	20
Antimony	ND	F1	19.2	7.09	F1	mg/Kg	☼	37	75 - 125	1	20
Arsenic	6.3		76.9	74.9		mg/Kg	☼	89	75 - 125	0	20
Barium	39		76.9	109		mg/Kg	☼	92	75 - 125	2	20
Beryllium	0.32		38.4	32.5		mg/Kg	☼	84	75 - 125	0	20
Cadmium	0.54		38.4	32.1		mg/Kg	☼	82	75 - 125	0	20
Calcium	1000		1920	2640		mg/Kg	☼	85	75 - 125	10	20
Chromium	10		38.4	43.1		mg/Kg	☼	86	75 - 125	6	20
Cobalt	6.5		38.4	44.7		mg/Kg	☼	99	75 - 125	3	20
Copper	20		38.4	57.2		mg/Kg	☼	96	75 - 125	7	20
Iron	16000		384	16200	4	mg/Kg	☼	75	75 - 125	17	20
Lead	8.9		38.4	48.2		mg/Kg	☼	102	75 - 125	6	20
Magnesium	2000	F1	1920	3330	F1	mg/Kg	☼	68	75 - 125	14	20
Manganese	330		38.4	448	4	mg/Kg	☼	296	75 - 125	6	20
Nickel	16		38.4	55.3		mg/Kg	☼	102	75 - 125	6	20
Potassium	540		1920	2140		mg/Kg	☼	83	75 - 125	2	20
Selenium	ND		76.9	67.8		mg/Kg	☼	88	75 - 125	1	20
Silver	ND		19.2	17.1		mg/Kg	☼	89	75 - 125	1	20
Sodium	ND		1920	1870		mg/Kg	☼	97	75 - 125	0	20
Thallium	ND		76.9	73.2		mg/Kg	☼	95	75 - 125	2	20
Vanadium	14		38.4	47.9		mg/Kg	☼	89	75 - 125	5	20
Zinc	66	F1	19.2	72.7	F1	mg/Kg	☼	35	75 - 125	9	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440224/1-A
Matrix: Solid
Analysis Batch: 440415

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/13/23 09:05	07/14/23 09:04	1

Lab Sample ID: LCS 180-440224/2-A
Matrix: Solid
Analysis Batch: 440415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440224

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.430		mg/Kg		103	80 - 120		

Lab Sample ID: 180-159065-9 MS
Matrix: Solid
Analysis Batch: 440415

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.037		0.181	0.216		mg/Kg	☼	99	80 - 120		

Lab Sample ID: 180-159065-9 MSD
Matrix: Solid
Analysis Batch: 440415

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA
Prep Batch: 440224

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.037		0.187	0.223		mg/Kg	☼	100	80 - 120	3	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159065-9 DU
Matrix: Solid
Analysis Batch: 440182

Client Sample ID: SSHS-ISMP-NAF-UT-S15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.1			12.9		%				6	10
Percent Solids	87.9			87.1		%				0.9	10

GC/MS VOA

Analysis Batch: 440243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	EPA 8260C	440286
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	EPA 8260C	440286
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	EPA 8260C	440286
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	EPA 8260C	440286
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	EPA 8260C	440286
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	EPA 8260C	440286
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	EPA 8260C	440286
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8260C	440286
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	EPA 8260C	440286
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	EPA 8260C	440286
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	EPA 8260C	440286
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	EPA 8260C	440286
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	EPA 8260C	440286
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	EPA 8260C	440286
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	EPA 8260C	440286
MB 180-440243/9	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440243/19	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8260C	440286
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8260C	440286

Prep Batch: 440286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	5035	
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	5035	
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	5035	
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	5035	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	5035	
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	5035	
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	5035	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	5035	
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	5035	
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	5035	
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	5035	
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	5035	
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	5035	
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	5035	
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	5035	
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	5035	
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	5035	
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	5035	
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	5035	
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	5035	
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	5035	

Analysis Batch: 440379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	EPA 8260C	440286
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	EPA 8260C	440444
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	EPA 8260C	440286
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	EPA 8260C	440286
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	EPA 8260C	440286

GC/MS VOA (Continued)

Analysis Batch: 440379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440379/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440379/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440379/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 440444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 440256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	3541	
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	3541	
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	3541	
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	3541	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	3541	
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	3541	
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	3541	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	3541	
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3541	
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	3541	
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	3541	
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	3541	
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	3541	
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	3541	
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	3541	
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	3541	
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	3541	
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	3541	
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	3541	
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	3541	
MB 180-440256/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440256/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3541	
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3541	

Analysis Batch: 440291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	EPA 8270D	440256
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	EPA 8270D	440256
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	EPA 8270D	440256
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	EPA 8270D	440256
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	EPA 8270D	440256
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	EPA 8270D	440256
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	EPA 8270D	440256
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	EPA 8270D	440256
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8270D	440256
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	EPA 8270D	440256
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	EPA 8270D	440256
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	EPA 8270D	440256

GC/MS Semi VOA (Continued)

Analysis Batch: 440291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	EPA 8270D	440256
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	EPA 8270D	440256
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	EPA 8270D	440256
MB 180-440256/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440256
LCS 180-440256/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440256
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8270D	440256
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8270D	440256

Analysis Batch: 440356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	EPA 8270D	440256
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	EPA 8270D	440256
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	EPA 8270D	440256
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	EPA 8270D	440256
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	EPA 8270D	440256

GC Semi VOA

Prep Batch: 440197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	3541	
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	3541	
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	3541	
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	3541	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	3541	
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	3541	
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	3541	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	3541	
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3541	
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	3541	
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	3541	
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	3541	
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	3541	
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	3541	
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	3541	
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	3541	
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	3541	
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	3541	
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	3541	
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	3541	
MB 180-440197/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-440197/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3541	
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3541	

Cleanup Batch: 440215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	3665A	440197
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	3665A	440197
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	3665A	440197
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	3665A	440197

GC Semi VOA (Continued)

Cleanup Batch: 440215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	3665A	440197
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	3665A	440197
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	3665A	440197
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	3665A	440197
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3665A	440197
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	3665A	440197
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	3665A	440197
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	3665A	440197
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	3665A	440197
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	3665A	440197
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	3665A	440197
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	3665A	440197
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	3665A	440197
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	3665A	440197
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	3665A	440197
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	3665A	440197
MB 180-440197/1-C	Method Blank	Total/NA	Solid	3665A	440197
LCS 180-440197/2-C	Lab Control Sample	Total/NA	Solid	3665A	440197
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3665A	440197
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3665A	440197

Cleanup Batch: 440216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	3660B	440215
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	3660B	440215
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	3660B	440215
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	3660B	440215
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	3660B	440215
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	3660B	440215
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	3660B	440215
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	3660B	440215
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3660B	440215
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	3660B	440215
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	3660B	440215
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	3660B	440215
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	3660B	440215
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	3660B	440215
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	3660B	440215
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	3660B	440215
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	3660B	440215
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	3660B	440215
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	3660B	440215
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	3660B	440215
MB 180-440197/1-C	Method Blank	Total/NA	Solid	3660B	440215
LCS 180-440197/2-C	Lab Control Sample	Total/NA	Solid	3660B	440215
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3660B	440215
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3660B	440215

Analysis Batch: 440226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	EPA 8082A	440216

GC Semi VOA (Continued)

Analysis Batch: 440226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	EPA 8082A	440216
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	EPA 8082A	440216
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	EPA 8082A	440216
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	EPA 8082A	440216
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	EPA 8082A	440216
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	EPA 8082A	440216
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	EPA 8082A	440216
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8082A	440216
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	EPA 8082A	440216
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	EPA 8082A	440216
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	EPA 8082A	440216
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	EPA 8082A	440216
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	EPA 8082A	440216
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	EPA 8082A	440216
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	EPA 8082A	440216
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	EPA 8082A	440216
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	EPA 8082A	440216
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	EPA 8082A	440216
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	EPA 8082A	440216
MB 180-440197/1-C	Method Blank	Total/NA	Solid	EPA 8082A	440216
LCS 180-440197/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	440216
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8082A	440216
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 8082A	440216

Metals

Prep Batch: 440224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	7471B	
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	7471B	
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	7471B	
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	7471B	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	7471B	
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	7471B	
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	7471B	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	7471B	
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	7471B	
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	7471B	
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	7471B	
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	7471B	
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	7471B	
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	7471B	
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	7471B	
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	7471B	
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	7471B	
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	7471B	
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	7471B	
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	7471B	
MB 180-440224/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440224/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 440224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	7471B	

Prep Batch: 440225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	3050B	
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	3050B	
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	3050B	
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	3050B	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	3050B	
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	3050B	
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	3050B	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	3050B	
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3050B	
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	3050B	
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	3050B	
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	3050B	
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	3050B	
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	3050B	
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	3050B	
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	3050B	
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	3050B	
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	3050B	
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	3050B	
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	3050B	
MB 180-440225/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440225/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3050B	
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	3050B	

Analysis Batch: 440415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	EPA 7471B	440224
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	EPA 7471B	440224
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	EPA 7471B	440224
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	EPA 7471B	440224
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	EPA 7471B	440224
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	EPA 7471B	440224
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	EPA 7471B	440224
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	EPA 7471B	440224
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 7471B	440224
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	EPA 7471B	440224
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	EPA 7471B	440224
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	EPA 7471B	440224
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	EPA 7471B	440224
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	EPA 7471B	440224
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	EPA 7471B	440224
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	EPA 7471B	440224
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	EPA 7471B	440224
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	EPA 7471B	440224
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	EPA 7471B	440224
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	EPA 7471B	440224

Metals (Continued)

Analysis Batch: 440415 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440224/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440224
LCS 180-440224/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440224
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 7471B	440224
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 7471B	440224

Analysis Batch: 440542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	EPA 6010C	440225
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	EPA 6010C	440225
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	EPA 6010C	440225
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	EPA 6010C	440225
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	EPA 6010C	440225
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	EPA 6010C	440225
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	EPA 6010C	440225
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	EPA 6010C	440225
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 6010C	440225
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	EPA 6010C	440225
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	EPA 6010C	440225
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	EPA 6010C	440225
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	EPA 6010C	440225
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	EPA 6010C	440225
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	EPA 6010C	440225
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	EPA 6010C	440225
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	EPA 6010C	440225
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	EPA 6010C	440225
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	EPA 6010C	440225
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	EPA 6010C	440225
MB 180-440225/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440225
LCS 180-440225/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440225
180-159065-9 MS	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 6010C	440225
180-159065-9 MSD	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	EPA 6010C	440225

General Chemistry

Analysis Batch: 440180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-1	SSHS-ISMP-NAF-UT-S8	Total/NA	Solid	2540G	
180-159065-2	SSHS-ISMP-NAF-UT-S9	Total/NA	Solid	2540G	
180-159065-3	SSHS-ISMP-NAF-UT-S10	Total/NA	Solid	2540G	
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	2540G	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	2540G	
180-159065-6	SSHS-ISMP-NAF-UT-S12	Total/NA	Solid	2540G	

Analysis Batch: 440182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-7	SSHS-ISMP-NAF-UT-S13	Total/NA	Solid	2540G	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	2540G	
180-159065-9	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	2540G	
180-159065-10	SSHS-ISMP-NAF-UT-S16	Total/NA	Solid	2540G	
180-159065-11	SSHS-ISMP-NAF-UT-B4	Total/NA	Solid	2540G	
180-159065-12	SSHS-ISMP-NAF-UT-B5	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 440182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	2540G	
180-159065-14	SSHS-ISMP-NAF-UT-S17	Total/NA	Solid	2540G	
180-159065-15	SSHS-ISMP-NAF-UT-S18	Total/NA	Solid	2540G	
180-159065-16	SSHS-ISMP-NAF-DUP10A	Total/NA	Solid	2540G	
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	2540G	
180-159065-18	SSHS-ISMP-NAF-UT-S20	Total/NA	Solid	2540G	
180-159065-19	SSHS-ISMP-NAF-UT-S21	Total/NA	Solid	2540G	
180-159065-20	SSHS-ISMP-NAF-UT-S22	Total/NA	Solid	2540G	
180-159065-9 DU	SSHS-ISMP-NAF-UT-S15	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation-COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S8	7/11/23	1200	G	S	N	N	X	X	X	X			8	
SSHS-ISMP-NAF-UT-S9	7/11/23	1205	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S10	7/11/23	1210	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S11	7/11/23	1215	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-DUP9A	7/11/23	–	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S12	7/11/23	1220	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S13	7/11/23	1225	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S14	7/11/23	1230	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S15	7/11/23	1235	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-S16	7/11/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B4	7/11/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B5	7/11/23	1250	G	S	N	N	X	X	X	X			6	

180-159065 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Miranda Stelmach	7/11/23/1800	Geosyntec		7/12/23 0946	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks.

Ver 01/16/2019

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7/11/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation- COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-B6	7/11/23	1255	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S17	7/11/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S18	7/11/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP10A	7/11/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S19	7/11/23	1410	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S20	7/11/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S21	7/11/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S22	7/11/23	1425	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:		
Relinquished by: Miranda Stelmach	Date/Time: 7/11/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/12/23 09:46	Company: Eurofins		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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7/12/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-159065 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S8	7/11/23	1200	G	S	N	N	X	X	X	X			8	
SSHS-ISMP-NAF-UT-S9	7/11/23	1205	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S10	7/11/23	1210	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S11	7/11/23	1215	G	S	N	N	X	X	X	X	X	X	8	
~~SSHS-ISMP-NAF-DUP9A~~	~~7/11/23~~	~~-~~	~~G~~	~~S~~	~~N~~	~~N~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~8~~	
SSHS-ISMP-NAF-UT-S12	7/11/23	1220	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S13	7/11/23	1225	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S14	7/11/23	1230	G	S	N	N	X	X	X	X	X	X	8	
~~SSHS-ISMP-NAF-UT-S15~~	~~7/11/23~~	~~1235~~	~~G~~	~~S~~	~~N~~	~~Y~~	~~X~~	~~X~~	~~X~~	~~X~~			~~16~~	
SSHS-ISMP-NAF-UT-S16	7/11/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B4	7/11/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B5	7/11/23	1250	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
	Meaude Ardrech	7/11/23/1800	Geosyntec		7/12/23 915	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-B6	7/11/23	1255	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S17	7/11/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S18	7/11/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP10A	7/11/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S19	7/11/23	1410	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S20	7/11/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S21	7/11/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S22	7/11/23	1425	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Miranda Hahn	7/11/23/1800	Geosyntec		7/12/23 915	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

180-159065 Field Sheet

Tracking # : 7727 0138 0179

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: ✓

Temp Observed: 4.2 °C Corrected: 4.2 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 7/12/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☒	☐
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: CF Date: 7·12·23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: CF Date: 7·12·23

WC3 ESB

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159065-1

Login Number: 159065
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/17/2023 4:16:09 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-158997-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
7/17/2023 4:16:09 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-158997-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-158997-1

Receipt
The samples were received on 7/11/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.3º C, 5.6º C and 5.8º C.

GC/MS VOA
Method 8260C: The internal standard (ISTD) response of 1,4-dichlorobenzene-d4 was below criteria for the following sample: SSHS-ISMP-NAF-UT-S6 (180-158997-10). The analysis also had the recovery of surrogate 4-Bromofluorobenzene below the control limits. The sample was re-analyzed and again had the internal standard below criteria, but all surrogate recoveries within the control limits. Results of both analyses were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-439988 was above criteria for the following analytes: Chloromethane, Trichlorofluoromethane, and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-439988 was below criteria for the following analytes: Carbon disulfide, Cyclohexane, Chloroethane, 1,1-Dichloroethene, 4-Methyl-2-pentanone, 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromoform, and 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440135 was above criteria for the following analytes: Trichlorofluoromethane and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440135 was below criteria for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon disulfide, 2-Hexanone, Chloroethane, 1,1-Dichloroethene and 4-Methyl-2-pentanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to the nature of the sample matrix (the sample extract was too viscous to be analyzed at a lesser dilution): SSHS-ISMP-NAF-UT-B3 (180-158997-8). Elevated reporting limits (RLs) are provided.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440167 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440167 was below criteria for the following analyte: Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Job ID: 180-158997-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 6010C: The following sample was diluted to bring the concentration of calcium within the calibration range: SSHS-ISMP-NAF-DUP8A (180-158997-6). Elevated reporting limits (RLs) are provided.

Method 6010C: The following sample was diluted to bring the concentration of iron within the calibration range: SSHS-ISMP-NAF-UT-S5 (180-158997-9). Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, thallium were also reported from dilution due to inter-element corrections associated with iron.

Method 6010C: The matrix spike (MS) of sample SSHS-ISMP-NAF-UT-S1 (180-158997-1) had the majority of recoveries above the control limits and the matrix spike duplicate (MSD) had several recoveries outside of the control limits. The majority of RPDs between the spikes were also above the control limits. Based on the spike recoveries, spiking solutions may have been added twice to the matrix spike. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-158997-1	SSHS-ISMP-NAF-UT-S1	Solid	07/10/23 12:00	07/11/23 09:17
180-158997-2	SSHS-ISMP-NAF-UT-S2	Solid	07/10/23 12:05	07/11/23 09:17
180-158997-3	SSHS-ISMP-NAF-UT-S3	Solid	07/10/23 12:10	07/11/23 09:17
180-158997-4	SSHS-ISMP-NAF-UT-S4	Solid	07/10/23 12:15	07/11/23 09:17
180-158997-5	SSHS-ISMP-NAF-UT-B1	Solid	07/10/23 12:20	07/11/23 09:17
180-158997-6	SSHS-ISMP-NAF-DUP8A	Solid	07/10/23 00:00	07/11/23 09:17
180-158997-7	SSHS-ISMP-NAF-UT-B2	Solid	07/10/23 12:25	07/11/23 09:17
180-158997-8	SSHS-ISMP-NAF-UT-B3	Solid	07/10/23 14:30	07/11/23 09:17
180-158997-9	SSHS-ISMP-NAF-UT-S5	Solid	07/10/23 14:35	07/11/23 09:17
180-158997-10	SSHS-ISMP-NAF-UT-S6	Solid	07/10/23 14:40	07/11/23 09:17
180-158997-11	SSHS-ISMP-NAF-UT-S7	Solid	07/10/23 14:45	07/11/23 09:17

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2265 g	5 mL	440016	07/11/23 12:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 13:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 17:31	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 07:29	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.53 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 20:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440031	07/11/23 10:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	440016	07/11/23 12:01	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 13:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 17:53	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 07:47	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.57 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 20:50	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3
Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440031	07/11/23 10:41	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3
Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1165 g	5 mL	440016	07/11/23 12:01	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 14:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 18:15	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 08:05	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.56 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 20:55	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:33	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4
Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4
Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2308 g	5 mL	440016	07/11/23 12:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 14:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 18:37	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 08:22	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.60 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:34	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9989 g	5 mL	440016	07/11/23 12:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 15:02	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 18:58	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 08:40	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.57 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:35	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6
Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440031	07/11/23 10:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6
Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1307 g	5 mL	440016	07/11/23 12:04	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 15:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 19:20	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 08:58	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.55 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.55 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			440262	07/12/23 18:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0761 g	5 mL	440016	07/11/23 12:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 15:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 19:42	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 09:15	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.54 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:40	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0064 g	5 mL	440016	07/11/23 12:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 16:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035			5.1126 g	5 mL	440170	07/12/23 07:57	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440135	07/12/23 11:26	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		5	1 mL	1 mL	440167	07/12/23 20:04	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 09:33	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.55 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1607 g	5 mL	440016	07/11/23 12:06	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 16:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 20:25	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 09:50	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.67 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.67 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			440542	07/14/23 20:42	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10
Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10
Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3369 g	5 mL	440016	07/11/23 12:06	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 16:55	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	5035	RA		5.0306 g	5 mL	440170	07/12/23 07:57	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C	RA	1	5 mL	5 mL	440135	07/12/23 11:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 20:47	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 10:08	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.62 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11
Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440039	07/11/23 11:19	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11
Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0307 g	5 mL	440016	07/11/23 12:07	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	439988	07/11/23 17:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440142	07/12/23 07:57	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440167	07/12/23 21:09	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	440076	07/11/23 16:21	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440094	07/12/23 04:57	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440095	07/12/23 04:58	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440098	07/12/23 10:26	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.76 g	50 mL	440029	07/11/23 11:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440148	07/11/23 21:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440037	07/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440165	07/12/23 08:44	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JSM = Joseph Moore
- MEG = Megan Gray
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Toluene	ND		5.0	1.4	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/11/23 12:00	07/11/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*07/11/23 12:00*	*07/11/23 13:31*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/11/23 12:00*	*07/11/23 13:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*07/11/23 12:00*	*07/11/23 13:31*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*07/11/23 12:00*	*07/11/23 13:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Acetophenone	ND		700	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Anthracene	ND		70	18	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Atrazine	ND		700	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Benzaldehyde	ND		700	44	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Carbazole	ND		70	16	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Chrysene	ND		70	39	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Fluoranthene	ND		70	19	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Fluorene	ND		70	14	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Isophorone	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Naphthalene	ND		70	14	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Phenol	ND		350	110	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
Pyrene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*07/12/23 07:57*	*07/12/23 17:31*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*07/12/23 07:57*	*07/12/23 17:31*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*07/12/23 07:57*	*07/12/23 17:31*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/12/23 07:57*	*07/12/23 17:31*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 105*	*07/12/23 07:57*	*07/12/23 17:31*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*07/12/23 07:57*	*07/12/23 17:31*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1221	ND		17	6.2	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1248	ND		17	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/11/23 16:21	07/12/23 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/11/23 16:21*	*07/12/23 07:29*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*07/11/23 16:21*	*07/12/23 07:29*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*07/11/23 16:21*	*07/12/23 07:29*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/11/23 16:21*	*07/12/23 07:29*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		20	4.9	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Antimony	**0.86**	**J F2 F1**	0.99	0.30	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Arsenic	**4.2**	**F2 F1**	0.99	0.62	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Barium	**49**	**F2 F1**	20	3.5	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Beryllium	**0.29**	**J F2 F1**	0.40	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Cadmium	**0.14**	**J F2 F1**	0.50	0.073	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Calcium	**58000**	**F2**	500	64	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Chromium	**8.8**	**F2 F1**	0.50	0.45	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Cobalt	**6.4**	**F2 F1**	5.0	0.70	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Copper	**22**	**F2 F1**	2.5	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Iron	**16000**		9.9	9.7	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Lead	**6.4**	**F2 F1**	0.99	0.86	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Magnesium	**6400**	**F2 F1**	500	54	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Manganese	**330**		1.5	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Nickel	**16**	**F2 F1**	4.0	0.50	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Potassium	**630**	**F2 F1**	500	84	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Selenium	ND	F2 F1	0.99	0.46	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Silver	ND	F2 F1	0.50	0.10	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Sodium	**71**	**J F2 F1**	500	51	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Thallium	**0.41**	**J F2 F1**	2.0	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Vanadium	**12**	**F2 F1**	5.0	0.78	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1
Zinc	**57**	**F2 F1 B**	2.0	1.4	mg/Kg	☼	07/11/23 11:25	07/11/23 20:15	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.034**	**B**	0.034	0.022	mg/Kg	☼	07/11/23 11:30	07/12/23 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.9**		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	**95.1**		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2

Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/11/23 12:01	07/11/23 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*07/11/23 12:01*	*07/11/23 13:53*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*07/11/23 12:01*	*07/11/23 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*07/11/23 12:01*	*07/11/23 13:53*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*07/11/23 12:01*	*07/11/23 13:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Acetophenone	ND		700	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Anthracene	ND		70	18	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Atrazine	ND		700	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Carbazole	ND		70	16	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Chrysene	ND		70	39	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Fluorene	ND		70	14	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Isophorone	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Naphthalene	ND		70	14	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Phenol	ND		350	110	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
Pyrene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*07/12/23 07:57*	*07/12/23 17:53*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*07/12/23 07:57*	*07/12/23 17:53*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*07/12/23 07:57*	*07/12/23 17:53*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/12/23 07:57*	*07/12/23 17:53*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/12/23 07:57*	*07/12/23 17:53*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*07/12/23 07:57*	*07/12/23 17:53*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/11/23 16:21	07/12/23 07:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S2
Lab Sample ID: 180-158997-2
Date Collected: 07/10/23 12:05
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/11/23 16:21*	*07/12/23 07:47*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/11/23 16:21*	*07/12/23 07:47*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/11/23 16:21*	*07/12/23 07:47*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/11/23 16:21*	*07/12/23 07:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6500**		19	4.6	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Antimony	**0.59**	**J**	0.93	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Arsenic	**3.9**		0.93	0.58	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Barium	**46**		19	3.3	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Beryllium	**0.26**	**J**	0.37	0.10	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Cadmium	**0.11**	**J**	0.47	0.068	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Calcium	**36000**		470	60	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Chromium	**8.0**		0.47	0.42	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Cobalt	**6.3**		4.7	0.66	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Copper	**20**		2.3	1.4	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Iron	**15000**		9.3	9.1	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Lead	**6.1**		0.93	0.81	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Magnesium	**4200**		470	51	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Manganese	**290**		1.4	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Nickel	**15**		3.7	0.47	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Potassium	**600**		470	79	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Sodium	ND		470	48	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Thallium	**0.31**	**J**	1.9	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Vanadium	**11**		4.7	0.74	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1
Zinc	**57**	**B**	1.9	1.3	mg/Kg	☼	07/11/23 11:25	07/11/23 20:50	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J B**	0.033	0.021	mg/Kg	☼	07/11/23 11:30	07/12/23 08:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.8**		0.1	0.1	%			07/11/23 10:56	1
Percent Solids (SM22 2540G)	**94.2**		0.1	0.1	%			07/11/23 10:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3
Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3
Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/11/23 12:01	07/11/23 14:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3

Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 87.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*07/11/23 12:01*	*07/11/23 14:16*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*07/11/23 12:01*	*07/11/23 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*07/11/23 12:01*	*07/11/23 14:16*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*07/11/23 12:01*	*07/11/23 14:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Acetophenone	ND		750	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Anthracene	ND		75	19	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Atrazine	ND		750	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Carbazole	ND		75	17	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Chrysene	ND		75	41	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Fluorene	ND		75	15	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3
Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 87.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Isophorone	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Naphthalene	ND		75	15	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Phenol	ND		370	110	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
Pyrene	ND		75	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*07/12/23 07:57*	*07/12/23 18:15*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*07/12/23 07:57*	*07/12/23 18:15*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/12/23 07:57*	*07/12/23 18:15*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*07/12/23 07:57*	*07/12/23 18:15*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*07/12/23 07:57*	*07/12/23 18:15*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/12/23 07:57*	*07/12/23 18:15*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:05*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:05*	*1*
Tetrachloro-m-xylene (Surr)	*59*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:05*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S3
Lab Sample ID: 180-158997-3
Date Collected: 07/10/23 12:10
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 87.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*60*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:05*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		20	5.1	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Antimony	**0.69**	**J**	1.0	0.31	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Arsenic	**6.2**		1.0	0.64	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Barium	**52**		20	3.6	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Beryllium	**0.44**		0.41	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Cadmium	**0.13**	**J**	0.51	0.075	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Calcium	**3500**		510	66	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Chromium	**12**		0.51	0.46	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Cobalt	**9.7**		5.1	0.72	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Copper	**28**		2.5	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Iron	**21000**		10	9.9	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Lead	**9.6**		1.0	0.89	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Magnesium	**3400**		510	56	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Manganese	**380**		1.5	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Nickel	**23**		4.1	0.51	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Potassium	**690**		510	87	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Selenium	ND		1.0	0.47	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Silver	ND		0.51	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Sodium	ND		510	52	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Thallium	**0.57**	**J**	2.0	0.29	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Vanadium	**17**		5.1	0.81	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1
Zinc	**61**	**B**	2.0	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 20:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**	**B**	0.036	0.023	mg/Kg	☼	07/11/23 11:30	07/12/23 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.4**		0.1	0.1	%			07/11/23 10:41	1
Percent Solids (SM22 2540G)	**87.6**		0.1	0.1	%			07/11/23 10:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4
Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 82.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Benzene	ND		5.8	1.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4
Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 82.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,4-Dioxane	ND		1200	88	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Styrene	ND		5.8	1.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Toluene	ND		5.8	1.7	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	07/11/23 12:02	07/11/23 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*07/11/23 12:02*	*07/11/23 14:39*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*07/11/23 12:02*	*07/11/23 14:39*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4

Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 82.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*07/11/23 12:02*	*07/11/23 14:39*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*07/11/23 12:02*	*07/11/23 14:39*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Acenaphthylene	ND		81	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Acetophenone	ND		810	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Anthracene	ND		81	21	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Atrazine	ND		810	180	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Benzaldehyde	ND		810	50	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Benzo[a]anthracene	ND		81	36	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Benzo[a]pyrene	ND		81	35	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Benzo[b]fluoranthene	ND		81	20	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Benzo[g,h,i]perylene	ND		81	17	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Benzo[k]fluoranthene	ND		81	24	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Carbazole	ND		81	19	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2-Chloronaphthalene	ND		81	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Chrysene	ND		81	45	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Dibenz(a,h)anthracene	ND		81	51	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Fluoranthene	ND		81	21	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Fluorene	ND		81	16	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Hexachlorobutadiene	ND		81	23	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4
Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 82.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		400	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Indeno[1,2,3-cd]pyrene	ND		81	40	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Isophorone	ND		400	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2-Methylnaphthalene	ND		81	19	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2-Methylphenol	ND		400	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Naphthalene	ND		81	16	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Nitrobenzene	ND		810	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Pentachlorophenol	ND		2000	650	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Phenanthrene	ND		81	22	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Phenol	ND		400	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
Pyrene	ND		81	19	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/12/23 07:57*	*07/12/23 18:37*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/12/23 07:57*	*07/12/23 18:37*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*07/12/23 07:57*	*07/12/23 18:37*	*1*
Phenol-d5 (Surr)	*84*		*46 - 105*	*07/12/23 07:57*	*07/12/23 18:37*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 105*	*07/12/23 07:57*	*07/12/23 18:37*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*07/12/23 07:57*	*07/12/23 18:37*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1260	ND		20	5.7	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/11/23 16:21	07/12/23 08:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:22*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:22*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:22*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S4
Lab Sample ID: 180-158997-4
Date Collected: 07/10/23 12:15
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 82.5

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		20	5.0	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Antimony	0.65	J	1.0	0.31	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Arsenic	14		1.0	0.63	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Barium	70		20	3.6	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Beryllium	0.46		0.40	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Cadmium	0.17	J	0.51	0.074	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Calcium	11000		510	65	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Chromium	14		0.51	0.46	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Cobalt	10		5.1	0.71	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Copper	42		2.5	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Iron	25000		10	9.8	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Lead	9.6		1.0	0.88	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Magnesium	5800		510	55	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Manganese	420		1.5	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Nickel	25		4.0	0.51	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Potassium	960		510	86	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Selenium	ND		1.0	0.47	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Silver	ND		0.51	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Sodium	ND		510	52	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Thallium	0.61	J	2.0	0.29	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Vanadium	19		5.1	0.80	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1
Zinc	65	B	2.0	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034	J B	0.040	0.026	mg/Kg	☼	07/11/23 11:30	07/12/23 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.5		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	82.5		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Bromoform	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Dichlorobromomethane	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Trichloroethene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/11/23 12:03	07/11/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*07/11/23 12:03*	*07/11/23 15:02*	*1*
Dibromofluoromethane (Surr)	*81*		*69 - 126*	*07/11/23 12:03*	*07/11/23 15:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*07/11/23 12:03*	*07/11/23 15:02*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*07/11/23 12:03*	*07/11/23 15:02*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Acetophenone	ND		700	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Anthracene	ND		70	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Atrazine	ND		700	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Carbazole	ND		70	16	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Chrysene	ND		70	39	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Fluorene	ND		70	14	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Isophorone	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5
Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Naphthalene	ND		70	14	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Phenol	ND		350	110	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
Pyrene	ND		70	17	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/12/23 07:57	07/12/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/12/23 07:57*	*07/12/23 18:58*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*07/12/23 07:57*	*07/12/23 18:58*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*07/12/23 07:57*	*07/12/23 18:58*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*07/12/23 07:57*	*07/12/23 18:58*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 105*	*07/12/23 07:57*	*07/12/23 18:58*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*07/12/23 07:57*	*07/12/23 18:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1221	ND		17	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1254	ND		17	5.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1262	ND		17	6.0	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/11/23 16:21	07/12/23 08:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:40*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:40*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:40*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:40*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		18	4.6	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Antimony	**0.62**	**J**	0.92	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1

Client Sample ID: SSHS-ISMP-NAF-UT-B1
Lab Sample ID: 180-158997-5

Date Collected: 07/10/23 12:20
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		0.92	0.58	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Barium	52		18	3.3	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Beryllium	0.34	J	0.37	0.10	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Cadmium	0.16	J	0.46	0.068	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Calcium	44000		460	60	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Chromium	9.4		0.46	0.42	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Cobalt	7.0		4.6	0.65	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Copper	20		2.3	1.4	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Iron	17000		9.2	9.0	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Lead	9.5		0.92	0.80	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Magnesium	4200		460	51	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Manganese	410		1.4	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Nickel	17		3.7	0.46	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Potassium	660		460	78	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Selenium	ND		0.92	0.42	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Silver	ND		0.46	0.096	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Sodium	48	J	460	47	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Thallium	0.38	J	1.8	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Vanadium	12		4.6	0.73	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1
Zinc	60	B	1.8	1.3	mg/Kg	☼	07/11/23 11:25	07/11/23 21:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J B	0.031	0.020	mg/Kg	☼	07/11/23 11:30	07/12/23 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.8		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	95.2		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6

Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6
Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/11/23 12:04	07/11/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*07/11/23 12:04*	*07/11/23 15:24*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*	*07/11/23 12:04*	*07/11/23 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*07/11/23 12:04*	*07/11/23 15:24*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*07/11/23 12:04*	*07/11/23 15:24*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6
Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		69	15	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Acetophenone	ND		690	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Anthracene	ND		69	18	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Atrazine	ND		690	150	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Benzaldehyde	ND		690	43	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Caprolactam	ND		1800	220	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Carbazole	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Chrysene	ND		69	38	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Fluoranthene	ND		69	18	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Fluorene	ND		69	14	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Isophorone	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2-Methylphenol	ND		340	99	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6
Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		69	13	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Nitrobenzene	ND		690	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Phenanthrene	ND		69	19	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Phenol	ND		340	100	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
Pyrene	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*44 - 105*	*07/12/23 07:57*	*07/12/23 19:20*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*07/12/23 07:57*	*07/12/23 19:20*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*07/12/23 07:57*	*07/12/23 19:20*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/12/23 07:57*	*07/12/23 19:20*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*07/12/23 07:57*	*07/12/23 19:20*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*07/12/23 07:57*	*07/12/23 19:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1221	ND		17	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1262	ND		17	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/11/23 16:21	07/12/23 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:58*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/11/23 16:21*	*07/12/23 08:58*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:58*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/11/23 16:21*	*07/12/23 08:58*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		19	4.8	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Antimony	**0.50**	**J**	0.97	0.29	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Arsenic	**3.9**		0.97	0.61	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1

Client Sample ID: SSHS-ISMP-NAF-DUP8A
Lab Sample ID: 180-158997-6

Date Collected: 07/10/23 00:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 94.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	41		19	3.4	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Beryllium	0.24	J	0.39	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Cadmium	0.15	J	0.48	0.071	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Calcium	110000		2400	310	mg/Kg	☼	07/11/23 11:25	07/12/23 18:12	5
Chromium	7.0		0.48	0.44	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Cobalt	5.7		4.8	0.68	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Copper	20		2.4	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Iron	13000		9.7	9.4	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Lead	7.0		0.97	0.84	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Magnesium	4100		480	53	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Manganese	610		1.5	0.27	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Nickel	15		3.9	0.49	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Potassium	540		480	82	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Selenium	ND		0.97	0.45	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Sodium	84	J	480	50	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Thallium	0.37	J	1.9	0.27	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Vanadium	9.6		4.8	0.77	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1
Zinc	44	B	1.9	1.4	mg/Kg	☼	07/11/23 11:25	07/11/23 21:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	J B	0.034	0.022	mg/Kg	☼	07/11/23 11:30	07/12/23 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.0		0.1	0.1	%			07/11/23 10:56	1
Percent Solids (SM22 2540G)	94.0		0.1	0.1	%			07/11/23 10:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7

Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/11/23 12:05	07/11/23 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*07/11/23 12:05*	*07/11/23 15:47*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*07/11/23 12:05*	*07/11/23 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*07/11/23 12:05*	*07/11/23 15:47*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*07/11/23 12:05*	*07/11/23 15:47*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		730	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Anthracene	ND		73	19	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Atrazine	ND		730	160	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Carbazole	ND		73	17	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Chrysene	ND		73	40	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Dibenz(a,h)anthracene	ND		73	46	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Fluorene	ND		73	14	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Isophorone	ND		360	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Naphthalene	ND		73	14	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7

Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
N-Nitrosodi-n-propylamine	ND		73	24	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Phenanthrene	ND		73	19	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Phenol	ND		360	110	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
Pyrene	ND		73	17	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/12/23 07:57	07/12/23 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/12/23 07:57*	*07/12/23 19:42*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*07/12/23 07:57*	*07/12/23 19:42*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/12/23 07:57*	*07/12/23 19:42*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/12/23 07:57*	*07/12/23 19:42*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*07/12/23 07:57*	*07/12/23 19:42*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/12/23 07:57*	*07/12/23 19:42*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/11/23 16:21*	*07/12/23 09:15*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/11/23 16:21*	*07/12/23 09:15*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/11/23 16:21*	*07/12/23 09:15*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/11/23 16:21*	*07/12/23 09:15*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5600**		21	5.1	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Antimony	**0.35**	**J**	1.0	0.31	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Arsenic	**4.4**		1.0	0.65	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Barium	**35**		21	3.7	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.25	J	0.41	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Cadmium	0.11	J	0.51	0.076	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Calcium	48000		510	66	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Chromium	7.5		0.51	0.47	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Cobalt	5.7		5.1	0.72	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Copper	14		2.6	1.6	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Iron	13000		10	10	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Lead	4.9		1.0	0.90	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Magnesium	6100		510	56	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Manganese	300		1.5	0.29	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Nickel	13		4.1	0.52	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Potassium	520		510	88	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Selenium	ND		1.0	0.47	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Silver	ND		0.51	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Sodium	ND		510	53	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Thallium	ND		2.1	0.29	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Vanadium	9.0		5.1	0.81	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1
Zinc	43	B	2.1	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J B	0.036	0.023	mg/Kg	☼	07/11/23 11:30	07/12/23 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.0		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	90.0		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,1-Dichloroethene	ND		5.6	2.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Methyl tert-butyl ether	ND		5.6	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Vinyl chloride	ND		5.6	4.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*60 - 124*	*07/11/23 12:05*	*07/11/23 16:10*	*1*
4-Bromofluorobenzene (Surr)	*63*		*60 - 124*	*07/12/23 07:57*	*07/12/23 11:26*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/11/23 12:05*	*07/11/23 16:10*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/12/23 07:57*	*07/12/23 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*07/11/23 12:05*	*07/11/23 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*07/12/23 07:57*	*07/12/23 11:26*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*07/11/23 12:05*	*07/11/23 16:10*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/12/23 07:57*	*07/12/23 11:26*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		380	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Acenaphthylene	**610**		380	84	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Acetophenone	ND		3800	680	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Anthracene	**590**		380	99	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Atrazine	ND		3800	840	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Benzaldehyde	ND		3800	240	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Benzo[a]anthracene	**2200**		380	170	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Benzo[a]pyrene	**1600**		380	170	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Benzo[b]fluoranthene	**3800**		380	94	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Benzo[g,h,i]perylene	**1800**		380	83	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Benzo[k]fluoranthene	**1100**		380	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
1,1'-Biphenyl	ND		1900	700	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Bis(2-chloroethoxy)methane	ND		1900	700	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Bis(2-chloroethyl)ether	ND		380	69	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Bis(2-ethylhexyl) phthalate	ND		19000	2000	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4-Bromophenyl phenyl ether	ND		1900	810	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Butyl benzyl phthalate	ND		1900	1300	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Caprolactam	ND		9800	1200	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Carbazole	**380**		380	89	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4-Chloroaniline	ND		1900	500	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4-Chloro-3-methylphenol	ND		1900	670	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2-Chloronaphthalene	ND		380	88	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2-Chlorophenol	ND		1900	710	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4-Chlorophenyl phenyl ether	ND		1900	640	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Chrysene	**3000**		380	210	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Dibenz(a,h)anthracene	**520**		380	240	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Dibenzofuran	ND		1900	710	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
3,3'-Dichlorobenzidine	ND		1900	1800	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,4-Dichlorophenol	ND		380	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Diethyl phthalate	ND		1900	670	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,4-Dimethylphenol	ND		1900	640	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Dimethyl phthalate	ND		1900	760	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Di-n-butyl phthalate	ND		1900	840	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4,6-Dinitro-2-methylphenol	ND		9800	3300	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,4-Dinitrophenol	ND		19000	12000	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,4-Dinitrotoluene	ND		1900	1100	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,6-Dinitrotoluene	ND		1900	750	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Di-n-octyl phthalate	ND		1900	1100	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
1,4-Dioxane	ND		3800	600	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Fluoranthene	**3700**		380	100	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Fluorene	ND		380	75	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Hexachlorobenzene	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Hexachlorobutadiene	ND		380	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Hexachlorocyclopentadiene	ND		1900	200	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Hexachloroethane	ND		1900	680	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Indeno[1,2,3-cd]pyrene	**1400**		380	190	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Isophorone	ND		1900	720	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2-Methylnaphthalene	**140**	**J**	380	92	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2-Methylphenol	ND		1900	550	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5

Client Sample ID: SSHS-ISMP-NAF-UT-B3
Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		1900	560	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Naphthalene	**220**	**J**	380	75	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2-Nitroaniline	ND		9800	870	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
3-Nitroaniline	ND		9800	490	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4-Nitroaniline	ND		9800	710	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Nitrobenzene	ND		3800	700	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2-Nitrophenol	ND		1900	710	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
4-Nitrophenol	ND		9800	1300	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
N-Nitrosodi-n-propylamine	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
N-Nitrosodiphenylamine	ND		1900	640	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,2'-oxybis[1-chloropropane]	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Pentachlorophenol	ND		9800	3100	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Phenanthrene	**970**		380	100	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Phenol	ND		1900	580	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
Pyrene	**3700**		380	91	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
1,2,4,5-Tetrachlorobenzene	ND		1900	760	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,3,4,6-Tetrachlorophenol	ND		1900	800	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,4,5-Trichlorophenol	ND		1900	670	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5
2,4,6-Trichlorophenol	ND		1900	640	ug/Kg	☼	07/12/23 07:57	07/12/23 20:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*07/12/23 07:57*	*07/12/23 20:04*	*5*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*07/12/23 07:57*	*07/12/23 20:04*	*5*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*07/12/23 07:57*	*07/12/23 20:04*	*5*
Phenol-d5 (Surr)	*89*		*46 - 105*	*07/12/23 07:57*	*07/12/23 20:04*	*5*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*07/12/23 07:57*	*07/12/23 20:04*	*5*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*	*07/12/23 07:57*	*07/12/23 20:04*	*5*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1260	**11**	**J**	19	5.3	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/11/23 16:21*	*07/12/23 09:33*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/11/23 16:21*	*07/12/23 09:33*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/11/23 16:21*	*07/12/23 09:33*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/11/23 16:21*	*07/12/23 09:33*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4500**		21	5.2	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Antimony	**2.3**		1.1	0.32	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1

Client Sample ID: SSHS-ISMP-NAF-UT-B3

Lab Sample ID: 180-158997-8
Date Collected: 07/10/23 14:30
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		1.1	0.66	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Barium	110		21	3.7	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Beryllium	0.50		0.42	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Cadmium	0.54		0.53	0.077	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Calcium	4300		530	68	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Chromium	13		0.53	0.48	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Cobalt	6.0		5.3	0.74	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Copper	68		2.6	1.6	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Iron	27000		11	10	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Lead	100		1.1	0.91	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Magnesium	850		530	58	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Manganese	190		1.6	0.29	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Nickel	15		4.2	0.53	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Potassium	320	J	530	89	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Selenium	2.2		1.1	0.48	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Silver	ND		0.53	0.11	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Sodium	59	J	530	54	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Thallium	0.76	J	2.1	0.30	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Vanadium	17		5.3	0.83	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1
Zinc	100	B	2.1	1.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.53	B	0.036	0.023	mg/Kg	☼	07/11/23 11:30	07/12/23 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.4		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	86.6		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-S5

Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/11/23 12:06	07/11/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*07/11/23 12:06*	*07/11/23 16:33*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/11/23 12:06*	*07/11/23 16:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*07/11/23 12:06*	*07/11/23 16:33*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*07/11/23 12:06*	*07/11/23 16:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**120**		76	22	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**430**		76	16	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Acetophenone	ND		760	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Anthracene	**320**		76	20	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Atrazine	ND		760	160	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Benzo[a]anthracene	**950**		76	34	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Benzo[a]pyrene	**790**		76	33	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Benzo[b]fluoranthene	**1400**		76	19	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Benzo[g,h,i]perylene	**580**		76	16	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Benzo[k]fluoranthene	**580**		76	23	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Carbazole	**350**		76	18	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Chrysene	**1600**		76	42	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Dibenz(a,h)anthracene	**170**		76	48	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Fluoranthene	**3200**		76	20	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Fluorene	**150**		76	15	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Indeno[1,2,3-cd]pyrene	**480**		76	38	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Isophorone	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2-Methylnaphthalene	**150**		76	18	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**120**		76	15	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Phenanthrene	**1900**		76	20	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Phenol	ND		370	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
Pyrene	**2700**		76	18	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*07/12/23 07:57*	*07/12/23 20:25*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/12/23 07:57*	*07/12/23 20:25*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*07/12/23 07:57*	*07/12/23 20:25*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*07/12/23 07:57*	*07/12/23 20:25*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*07/12/23 07:57*	*07/12/23 20:25*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*07/12/23 07:57*	*07/12/23 20:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1248	**91**		19	4.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1254	**130**		19	5.7	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1260	**55**		19	5.4	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/11/23 16:21*	*07/12/23 09:50*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/11/23 16:21*	*07/12/23 09:50*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/11/23 16:21*	*07/12/23 09:50*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*07/11/23 16:21*	*07/12/23 09:50*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		17	4.3	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Antimony	**2.1**		0.86	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Arsenic	**19**		4.3	2.7	mg/Kg	☼	07/11/23 11:25	07/14/23 20:42	5

Client Sample ID: SSHS-ISMP-NAF-UT-S5
Lab Sample ID: 180-158997-9
Date Collected: 07/10/23 14:35
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	210		17	3.1	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Beryllium	0.58		0.34	0.094	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Cadmium	1.8	J	2.2	0.32	mg/Kg	☼	07/11/23 11:25	07/14/23 20:42	5
Calcium	9900		430	56	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Chromium	18		0.43	0.39	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Cobalt	8.8		4.3	0.61	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Copper	64		2.2	1.3	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Iron	45000		43	42	mg/Kg	☼	07/11/23 11:25	07/14/23 20:42	5
Lead	210		4.3	3.7	mg/Kg	☼	07/11/23 11:25	07/14/23 20:42	5
Magnesium	2900		430	47	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Manganese	460		1.3	0.24	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Nickel	25		3.4	0.43	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Potassium	530		430	73	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Selenium	1.4		0.86	0.40	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Silver	ND		0.43	0.089	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Sodium	94	J	430	44	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Thallium	ND		8.6	1.2	mg/Kg	☼	07/11/23 11:25	07/14/23 20:42	5
Vanadium	22		4.3	0.68	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1
Zinc	210	B	1.7	1.2	mg/Kg	☼	07/11/23 11:25	07/11/23 21:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.54	B	0.037	0.024	mg/Kg	☼	07/11/23 11:30	07/12/23 08:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.2		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	86.8		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10
Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10
Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2-Dibromo-3-Chloropropane	ND	*3	5.4	3.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2-Dichlorobenzene	ND	*3	5.4	1.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,3-Dichlorobenzene	ND	*3	5.4	3.3	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,4-Dichlorobenzene	ND	*3	5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2,3-Trichlorobenzene	ND	*3	11	3.0	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,2,4-Trichlorobenzene	ND	*3	5.4	2.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/11/23 12:06	07/11/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*60 - 124*	*07/11/23 12:06*	*07/11/23 16:55*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*07/11/23 12:06*	*07/11/23 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*	*07/11/23 12:06*	*07/11/23 16:55*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*07/11/23 12:06*	*07/11/23 16:55*	*1*

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10
Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2-Dibromo-3-Chloropropane	ND	*3	5.7	3.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2-Dichlorobenzene	ND	*3	5.7	1.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,3-Dichlorobenzene	ND	*3	5.7	3.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,4-Dichlorobenzene	ND	*3	5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Dichlorodifluoromethane	ND		5.7	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2-Dichloroethane	ND		5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Toluene	ND		5.7	1.7	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2,3-Trichlorobenzene	ND	*3	11	3.2	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,2,4-Trichlorobenzene	ND	*3	5.7	2.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Trichlorofluoromethane	ND		5.7	4.8	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10

Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1
Xylenes, Total	ND		11	8.3	ug/Kg	☼	07/12/23 07:57	07/12/23 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*60 - 124*	*07/12/23 07:57*	*07/12/23 11:49*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*07/12/23 07:57*	*07/12/23 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*07/12/23 07:57*	*07/12/23 11:49*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*07/12/23 07:57*	*07/12/23 11:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**	**J**	76	22	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Acenaphthylene	**160**		76	17	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Acetophenone	ND		760	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Anthracene	**140**		76	20	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Atrazine	ND		760	170	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Benzo[a]anthracene	**350**		76	34	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Benzo[a]pyrene	**330**		76	33	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Benzo[b]fluoranthene	**560**		76	19	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Benzo[g,h,i]perylene	**290**		76	16	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Benzo[k]fluoranthene	**240**		76	23	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Carbazole	**130**		76	18	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Chrysene	**630**		76	42	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Dibenz(a,h)anthracene	ND		76	49	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10
Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Fluoranthene	**990**		76	20	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Fluorene	**36**	**J**	76	15	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Indeno[1,2,3-cd]pyrene	**230**		76	38	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Isophorone	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2-Methylnaphthalene	**94**		76	18	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Naphthalene	**110**		76	15	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Phenanthrene	**530**		76	20	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Phenol	ND		380	110	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
Pyrene	**840**		76	18	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/12/23 07:57	07/12/23 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/12/23 07:57*	*07/12/23 20:47*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/12/23 07:57*	*07/12/23 20:47*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*07/12/23 07:57*	*07/12/23 20:47*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*07/12/23 07:57*	*07/12/23 20:47*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/12/23 07:57*	*07/12/23 20:47*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*	*07/12/23 07:57*	*07/12/23 20:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1260	**6.0**	**J**	19	5.4	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 10:08	1

Client Sample ID: SSHS-ISMP-NAF-UT-S6
Lab Sample ID: 180-158997-10

Date Collected: 07/10/23 14:40
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 86.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/11/23 16:21*	*07/12/23 10:08*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/11/23 16:21*	*07/12/23 10:08*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/11/23 16:21*	*07/12/23 10:08*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/11/23 16:21*	*07/12/23 10:08*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		19	4.6	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Antimony	**0.94**		0.93	0.28	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Arsenic	**11**		0.93	0.58	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Barium	**95**		19	3.3	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Beryllium	**0.49**		0.37	0.10	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Cadmium	**0.43**	**J**	0.46	0.068	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Calcium	**4700**		460	60	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Chromium	**11**		0.46	0.42	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Cobalt	**6.7**		4.6	0.65	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Copper	**45**		2.3	1.4	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Iron	**19000**		9.3	9.1	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Lead	**140**		0.93	0.81	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Magnesium	**1700**		460	51	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Manganese	**310**		1.4	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Nickel	**16**		3.7	0.47	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Potassium	**500**		460	79	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Selenium	**0.69**	**J**	0.93	0.43	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Silver	ND		0.46	0.097	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Sodium	**67**	**J**	460	48	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Thallium	**0.65**	**J**	1.9	0.26	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Vanadium	**16**		4.6	0.74	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1
Zinc	**120**	**B**	1.9	1.3	mg/Kg	☼	07/11/23 11:25	07/11/23 21:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**	**B**	0.036	0.023	mg/Kg	☼	07/11/23 11:30	07/12/23 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.3**		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	**86.7**		0.1	0.1	%			07/11/23 11:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11

Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11
Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Toluene	**2.1**	**J**	5.3	1.5	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/11/23 12:07	07/11/23 17:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11

Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*60 - 124*	*07/11/23 12:07*	*07/11/23 17:18*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*	*07/11/23 12:07*	*07/11/23 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*07/11/23 12:07*	*07/11/23 17:18*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*07/11/23 12:07*	*07/11/23 17:18*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Acenaphthylene	ND		69	15	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Acetophenone	ND		690	120	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Anthracene	ND		69	18	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Atrazine	ND		690	150	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Benzaldehyde	ND		690	43	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Caprolactam	ND		1800	220	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Carbazole	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Chrysene	ND		69	38	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Fluoranthene	ND		69	18	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Fluorene	ND		69	14	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11

Date Collected: 07/10/23 14:45
Matrix: Solid

Date Received: 07/11/23 09:17
Percent Solids: 93.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Isophorone	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2-Methylphenol	ND		340	99	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Naphthalene	ND		69	13	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
3-Nitroaniline	ND		1800	87	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Nitrobenzene	ND		690	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Phenanthrene	ND		69	18	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Phenol	ND		340	100	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
Pyrene	ND		69	16	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	07/12/23 07:57	07/12/23 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*44 - 105*	*07/12/23 07:57*	*07/12/23 21:09*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*07/12/23 07:57*	*07/12/23 21:09*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*07/12/23 07:57*	*07/12/23 21:09*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/12/23 07:57*	*07/12/23 21:09*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*07/12/23 07:57*	*07/12/23 21:09*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*	*07/12/23 07:57*	*07/12/23 21:09*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1221	ND		17	6.2	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1248	ND		17	4.2	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1262	ND		17	6.1	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/11/23 16:21	07/12/23 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/11/23 16:21*	*07/12/23 10:26*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/11/23 16:21*	*07/12/23 10:26*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/11/23 16:21*	*07/12/23 10:26*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11
Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	86		55 - 135	07/11/23 16:21	07/12/23 10:26	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5000		14	3.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Antimony	0.42	J	0.70	0.21	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Arsenic	4.2		0.70	0.44	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Barium	29		14	2.5	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Beryllium	0.23	J	0.28	0.076	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Cadmium	0.10	J	0.35	0.051	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Calcium	16000		350	45	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Chromium	6.6		0.35	0.32	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Cobalt	5.1		3.5	0.49	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Copper	17		1.8	1.1	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Iron	12000		7.0	6.8	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Lead	6.7		0.70	0.61	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Magnesium	7500		350	38	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Manganese	360		1.1	0.19	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Nickel	12		2.8	0.35	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Potassium	360		350	60	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Selenium	ND		0.70	0.32	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Silver	ND		0.35	0.073	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Sodium	45	J	350	36	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Thallium	0.37	J	1.4	0.20	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Vanadium	10		3.5	0.55	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1
Zinc	49	B	1.4	1.0	mg/Kg	☼	07/11/23 11:25	07/11/23 21:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J B	0.032	0.021	mg/Kg	☼	07/11/23 11:30	07/12/23 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.1		0.1	0.1	%			07/11/23 11:19	1
Percent Solids (SM22 2540G)	93.9		0.1	0.1	%			07/11/23 11:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-439988/7
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/11/23 10:06	1
Benzene	ND		5.0	1.4	ug/Kg			07/11/23 10:06	1
Bromoform	ND		5.0	2.5	ug/Kg			07/11/23 10:06	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/11/23 10:06	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/11/23 10:06	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/11/23 10:06	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/11/23 10:06	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/11/23 10:06	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/11/23 10:06	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/11/23 10:06	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/11/23 10:06	1
Chloroform	ND		5.0	3.4	ug/Kg			07/11/23 10:06	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/11/23 10:06	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/11/23 10:06	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/11/23 10:06	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/11/23 10:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/11/23 10:06	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/11/23 10:06	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/11/23 10:06	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/11/23 10:06	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/11/23 10:06	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/11/23 10:06	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/11/23 10:06	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/11/23 10:06	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/11/23 10:06	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/11/23 10:06	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/11/23 10:06	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/11/23 10:06	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/11/23 10:06	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/11/23 10:06	1
2-Hexanone	ND		25	1.6	ug/Kg			07/11/23 10:06	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/11/23 10:06	1
Methyl acetate	ND		25	7.4	ug/Kg			07/11/23 10:06	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/11/23 10:06	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/11/23 10:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/11/23 10:06	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/11/23 10:06	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/11/23 10:06	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/11/23 10:06	1
Styrene	ND		5.0	1.5	ug/Kg			07/11/23 10:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/11/23 10:06	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/11/23 10:06	1
Toluene	ND		5.0	1.4	ug/Kg			07/11/23 10:06	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/11/23 10:06	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/11/23 10:06	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/11/23 10:06	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/11/23 10:06	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/11/23 10:06	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-439988/7
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/11/23 10:06	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/11/23 10:06	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/11/23 10:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/11/23 10:06	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/11/23 10:06	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/11/23 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*		*07/11/23 10:06*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*		*07/11/23 10:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*		*07/11/23 10:06*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*		*07/11/23 10:06*	*1*

Lab Sample ID: LCS 180-439988/3
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	45.8		ug/Kg		115	23 - 170
Benzene	40.0	38.5		ug/Kg		96	77 - 120
Bromoform	40.0	31.8		ug/Kg		80	37 - 147
Bromomethane	40.0	36.6		ug/Kg		91	47 - 149
2-Butanone (MEK)	40.0	40.5		ug/Kg		101	39 - 157
Carbon disulfide	40.0	20.7		ug/Kg		52	40 - 156
Carbon tetrachloride	40.0	35.2		ug/Kg		88	73 - 130
Chlorobenzene	40.0	36.8		ug/Kg		92	79 - 122
Chlorobromomethane	40.0	36.1		ug/Kg		90	64 - 128
Chlorodibromomethane	40.0	34.1		ug/Kg		85	60 - 134
Chloroethane	40.0	28.9		ug/Kg		72	37 - 159
Chloroform	40.0	39.3		ug/Kg		98	73 - 126
Chloromethane	40.0	51.4		ug/Kg		129	46 - 151
cis-1,2-Dichloroethene	40.0	36.8		ug/Kg		92	77 - 118
cis-1,3-Dichloropropene	40.0	36.8		ug/Kg		92	73 - 127
Cyclohexane	40.0	31.7		ug/Kg		79	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	32.1		ug/Kg		80	30 - 163
1,2-Dibromoethane	40.0	36.9		ug/Kg		92	59 - 137
1,2-Dichlorobenzene	40.0	37.5		ug/Kg		94	76 - 120
1,3-Dichlorobenzene	40.0	37.7		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Dichlorobromomethane	40.0	38.0		ug/Kg		95	75 - 123
Dichlorodifluoromethane	40.0	40.6		ug/Kg		101	26 - 149
1,1-Dichloroethane	40.0	37.1		ug/Kg		93	73 - 124
1,2-Dichloroethane	40.0	36.3		ug/Kg		91	64 - 140
1,1-Dichloroethene	40.0	28.5		ug/Kg		71	55 - 136
1,2-Dichloroethene, Total	80.0	72.2		ug/Kg		90	77 - 119
1,2-Dichloropropane	40.0	38.0		ug/Kg		95	77 - 119
1,4-Dioxane	800	874	J	ug/Kg		109	18 - 166
Ethylbenzene	40.0	38.4		ug/Kg		96	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-439988/3
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	32.8		ug/Kg		82	42 - 152
Isopropylbenzene	40.0	38.2		ug/Kg		96	70 - 125
Methyl acetate	80.0	83.0		ug/Kg		104	20 - 170
Methylcyclohexane	40.0	34.6		ug/Kg		86	70 - 125
Methylene Chloride	40.0	36.9		ug/Kg		92	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	31.5		ug/Kg		79	51 - 147
Methyl tert-butyl ether	40.0	33.7		ug/Kg		84	58 - 132
m-Xylene & p-Xylene	40.0	37.5		ug/Kg		94	77 - 120
o-Xylene	40.0	37.8		ug/Kg		95	78 - 118
Styrene	40.0	37.8		ug/Kg		94	80 - 120
1,1,2,2-Tetrachloroethane	40.0	36.4		ug/Kg		91	36 - 170
Tetrachloroethene	40.0	35.9		ug/Kg		90	71 - 121
Toluene	40.0	38.5		ug/Kg		96	76 - 120
trans-1,2-Dichloroethene	40.0	35.4		ug/Kg		89	75 - 122
trans-1,3-Dichloropropene	40.0	35.6		ug/Kg		89	68 - 133
1,2,3-Trichlorobenzene	40.0	35.9		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	34.7		ug/Kg		87	22 - 170
1,1,1-Trichloroethane	40.0	36.9		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	37.3		ug/Kg		93	66 - 128
Trichloroethene	40.0	36.2		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	49.4		ug/Kg		123	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	29.5		ug/Kg		74	59 - 135
Vinyl chloride	40.0	47.3		ug/Kg		118	64 - 134
Xylenes, Total	80.0	75.3		ug/Kg		94	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*102*		*67 - 134*

Lab Sample ID: LCSD 180-439988/4
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	39.8		ug/Kg		99	23 - 170	14	35
Benzene	40.0	37.9		ug/Kg		95	77 - 120	2	20
Bromoform	40.0	28.5		ug/Kg		71	37 - 147	11	23
Bromomethane	40.0	38.3		ug/Kg		96	47 - 149	5	25
2-Butanone (MEK)	40.0	32.4		ug/Kg		81	39 - 157	22	33
Carbon disulfide	40.0	20.5		ug/Kg		51	40 - 156	1	25
Carbon tetrachloride	40.0	34.4		ug/Kg		86	73 - 130	2	21
Chlorobenzene	40.0	36.3		ug/Kg		91	79 - 122	1	20
Chlorobromomethane	40.0	34.4		ug/Kg		86	64 - 128	5	20
Chlorodibromomethane	40.0	32.3		ug/Kg		81	60 - 134	5	40
Chloroethane	40.0	29.8		ug/Kg		74	37 - 159	3	25
Chloroform	40.0	38.3		ug/Kg		96	73 - 126	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-439988/4
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	51.4		ug/Kg		128	46 - 151	0	33
cis-1,2-Dichloroethene			40.0	36.7		ug/Kg		92	77 - 118	0	20
cis-1,3-Dichloropropene			40.0	36.2		ug/Kg		90	73 - 127	2	20
Cyclohexane			40.0	31.9		ug/Kg		80	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	29.0		ug/Kg		72	30 - 163	10	34
1,2-Dibromoethane			40.0	34.6		ug/Kg		86	59 - 137	6	20
1,2-Dichlorobenzene			40.0	37.2		ug/Kg		93	76 - 120	1	20
1,3-Dichlorobenzene			40.0	37.4		ug/Kg		94	77 - 121	1	20
1,4-Dichlorobenzene			40.0	36.7		ug/Kg		92	79 - 120	2	20
Dichlorobromomethane			40.0	36.8		ug/Kg		92	75 - 123	3	20
Dichlorodifluoromethane			40.0	41.5		ug/Kg		104	26 - 149	2	24
1,1-Dichloroethane			40.0	36.3		ug/Kg		91	73 - 124	2	20
1,2-Dichloroethane			40.0	34.6		ug/Kg		87	64 - 140	5	20
1,1-Dichloroethene			40.0	28.4		ug/Kg		71	55 - 136	1	21
1,2-Dichloroethene, Total			80.0	71.7		ug/Kg		90	77 - 119	1	20
1,2-Dichloropropane			40.0	37.6		ug/Kg		94	77 - 119	1	20
1,4-Dioxane			800	781	J	ug/Kg		98	18 - 166	11	40
Ethylbenzene			40.0	37.8		ug/Kg		94	79 - 119	2	20
2-Hexanone			40.0	28.1		ug/Kg		70	42 - 152	15	30
Isopropylbenzene			40.0	38.4		ug/Kg		96	70 - 125	0	21
Methyl acetate			80.0	74.2		ug/Kg		93	20 - 170	11	33
Methylcyclohexane			40.0	35.1		ug/Kg		88	70 - 125	1	22
Methylene Chloride			40.0	35.6		ug/Kg		89	67 - 131	4	32
4-Methyl-2-pentanone (MIBK)			40.0	28.9		ug/Kg		72	51 - 147	9	27
Methyl tert-butyl ether			40.0	32.1		ug/Kg		80	58 - 132	5	24
m-Xylene & p-Xylene			40.0	37.7		ug/Kg		94	77 - 120	0	20
o-Xylene			40.0	37.4		ug/Kg		93	78 - 118	1	20
Styrene			40.0	36.6		ug/Kg		91	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	34.2		ug/Kg		85	36 - 170	6	23
Tetrachloroethene			40.0	35.9		ug/Kg		90	71 - 121	0	21
Toluene			40.0	38.4		ug/Kg		96	76 - 120	0	20
trans-1,2-Dichloroethene			40.0	35.0		ug/Kg		88	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	34.9		ug/Kg		87	68 - 133	2	20
1,2,3-Trichlorobenzene			40.0	37.1		ug/Kg		93	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	36.7		ug/Kg		92	22 - 170	6	29
1,1,1-Trichloroethane			40.0	36.6		ug/Kg		92	72 - 134	1	20
1,1,2-Trichloroethane			40.0	35.1		ug/Kg		88	66 - 128	6	21
Trichloroethene			40.0	36.2		ug/Kg		90	69 - 118	0	20
Trichlorofluoromethane			40.0	51.0		ug/Kg		127	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	29.7		ug/Kg		74	59 - 135	1	28
Vinyl chloride			40.0	47.6		ug/Kg		119	64 - 134	1	23
Xylenes, Total			80.0	75.1		ug/Kg		94	78 - 118	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*94*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-439988/4
Matrix: Solid
Analysis Batch: 439988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	101		67 - 134

Lab Sample ID: MB 180-440135/7
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/12/23 10:17	1
Benzene	ND		5.0	1.4	ug/Kg			07/12/23 10:17	1
Bromoform	ND		5.0	2.5	ug/Kg			07/12/23 10:17	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/12/23 10:17	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/12/23 10:17	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/12/23 10:17	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/12/23 10:17	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/12/23 10:17	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/12/23 10:17	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/12/23 10:17	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/12/23 10:17	1
Chloroform	ND		5.0	3.4	ug/Kg			07/12/23 10:17	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/12/23 10:17	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/12/23 10:17	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/12/23 10:17	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/12/23 10:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/12/23 10:17	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/12/23 10:17	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/12/23 10:17	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/12/23 10:17	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/12/23 10:17	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/12/23 10:17	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/12/23 10:17	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/12/23 10:17	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/12/23 10:17	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/12/23 10:17	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/12/23 10:17	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/12/23 10:17	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/12/23 10:17	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/12/23 10:17	1
2-Hexanone	ND		25	1.6	ug/Kg			07/12/23 10:17	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/12/23 10:17	1
Methyl acetate	ND		25	7.4	ug/Kg			07/12/23 10:17	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/12/23 10:17	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/12/23 10:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/12/23 10:17	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/12/23 10:17	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/12/23 10:17	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/12/23 10:17	1
Styrene	ND		5.0	1.5	ug/Kg			07/12/23 10:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/12/23 10:17	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440135/7
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/12/23 10:17	1
Toluene	ND		5.0	1.4	ug/Kg			07/12/23 10:17	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/12/23 10:17	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/12/23 10:17	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/12/23 10:17	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/12/23 10:17	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/12/23 10:17	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/12/23 10:17	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/12/23 10:17	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/12/23 10:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/12/23 10:17	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/12/23 10:17	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/12/23 10:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*		*07/12/23 10:17*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*		*07/12/23 10:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*		*07/12/23 10:17*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*		*07/12/23 10:17*	*1*

Lab Sample ID: LCS 180-440135/3
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	42.6		ug/Kg		107	23 - 170
Benzene	40.0	37.2		ug/Kg		93	77 - 120
Bromoform	40.0	28.3		ug/Kg		71	37 - 147
Bromomethane	40.0	37.7		ug/Kg		94	47 - 149
2-Butanone (MEK)	40.0	33.7		ug/Kg		84	39 - 157
Carbon disulfide	40.0	20.4		ug/Kg		51	40 - 156
Carbon tetrachloride	40.0	34.4		ug/Kg		86	73 - 130
Chlorobenzene	40.0	35.3		ug/Kg		88	79 - 122
Chlorobromomethane	40.0	34.4		ug/Kg		86	64 - 128
Chlorodibromomethane	40.0	31.9		ug/Kg		80	60 - 134
Chloroethane	40.0	28.7		ug/Kg		72	37 - 159
Chloroform	40.0	37.8		ug/Kg		94	73 - 126
Chloromethane	40.0	50.5		ug/Kg		126	46 - 151
cis-1,2-Dichloroethene	40.0	36.3		ug/Kg		91	77 - 118
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127
Cyclohexane	40.0	31.6		ug/Kg		79	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	28.5		ug/Kg		71	30 - 163
1,2-Dibromoethane	40.0	34.2		ug/Kg		85	59 - 137
1,2-Dichlorobenzene	40.0	36.5		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	36.9		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	36.3		ug/Kg		91	79 - 120
Dichlorobromomethane	40.0	36.7		ug/Kg		92	75 - 123
Dichlorodifluoromethane	40.0	40.9		ug/Kg		102	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440135/3
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	35.6		ug/Kg		89	73 - 124
1,2-Dichloroethane	40.0	34.9		ug/Kg		87	64 - 140
1,1-Dichloroethene	40.0	27.9		ug/Kg		70	55 - 136
1,2-Dichloroethene, Total	80.0	70.5		ug/Kg		88	77 - 119
1,2-Dichloropropane	40.0	36.5		ug/Kg		91	77 - 119
1,4-Dioxane	800	751	J	ug/Kg		94	18 - 166
Ethylbenzene	40.0	37.0		ug/Kg		92	79 - 119
2-Hexanone	40.0	31.6		ug/Kg		79	42 - 152
Isopropylbenzene	40.0	37.5		ug/Kg		94	70 - 125
Methyl acetate	80.0	76.2		ug/Kg		95	20 - 170
Methylcyclohexane	40.0	34.5		ug/Kg		86	70 - 125
Methylene Chloride	40.0	37.4		ug/Kg		93	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	29.7		ug/Kg		74	51 - 147
Methyl tert-butyl ether	40.0	32.3		ug/Kg		81	58 - 132
m-Xylene & p-Xylene	40.0	37.1		ug/Kg		93	77 - 120
o-Xylene	40.0	36.7		ug/Kg		92	78 - 118
Styrene	40.0	36.5		ug/Kg		91	80 - 120
1,1,2,2-Tetrachloroethane	40.0	34.6		ug/Kg		87	36 - 170
Tetrachloroethene	40.0	35.7		ug/Kg		89	71 - 121
Toluene	40.0	37.7		ug/Kg		94	76 - 120
trans-1,2-Dichloroethene	40.0	34.2		ug/Kg		85	75 - 122
trans-1,3-Dichloropropene	40.0	33.8		ug/Kg		84	68 - 133
1,2,3-Trichlorobenzene	40.0	35.9		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	35.0		ug/Kg		88	22 - 170
1,1,1-Trichloroethane	40.0	36.2		ug/Kg		91	72 - 134
1,1,2-Trichloroethane	40.0	35.3		ug/Kg		88	66 - 128
Trichloroethene	40.0	35.3		ug/Kg		88	69 - 118
Trichlorofluoromethane	40.0	50.6		ug/Kg		127	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	29.5		ug/Kg		74	59 - 135
Vinyl chloride	40.0	47.3		ug/Kg		118	64 - 134
Xylenes, Total	80.0	73.8		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*
Dibromofluoromethane (Surr)	*84*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*
Toluene-d8 (Surr)	*81*		*67 - 134*

Lab Sample ID: LCSD 180-440135/4
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	42.3		ug/Kg		106	23 - 170	1	35
Benzene	40.0	37.7		ug/Kg		94	77 - 120	1	20
Bromoform	40.0	28.6		ug/Kg		72	37 - 147	1	23
Bromomethane	40.0	36.3		ug/Kg		91	47 - 149	4	25
2-Butanone (MEK)	40.0	33.8		ug/Kg		85	39 - 157	0	33

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440135/4
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide			40.0	20.1		ug/Kg		50	40 - 156	1	25
Carbon tetrachloride			40.0	34.3		ug/Kg		86	73 - 130	0	21
Chlorobenzene			40.0	35.7		ug/Kg		89	79 - 122	1	20
Chlorobromomethane			40.0	34.9		ug/Kg		87	64 - 128	1	20
Chlorodibromomethane			40.0	31.4		ug/Kg		79	60 - 134	1	40
Chloroethane			40.0	28.8		ug/Kg		72	37 - 159	0	25
Chloroform			40.0	38.6		ug/Kg		96	73 - 126	2	20
Chloromethane			40.0	50.2		ug/Kg		126	46 - 151	0	33
cis-1,2-Dichloroethene			40.0	36.7		ug/Kg		92	77 - 118	1	20
cis-1,3-Dichloropropene			40.0	36.4		ug/Kg		91	73 - 127	2	20
Cyclohexane			40.0	31.0		ug/Kg		77	63 - 143	2	25
1,2-Dibromo-3-Chloropropane			40.0	28.1		ug/Kg		70	30 - 163	1	34
1,2-Dibromoethane			40.0	33.5		ug/Kg		84	59 - 137	2	20
1,2-Dichlorobenzene			40.0	35.7		ug/Kg		89	76 - 120	2	20
1,3-Dichlorobenzene			40.0	36.3		ug/Kg		91	77 - 121	2	20
1,4-Dichlorobenzene			40.0	35.3		ug/Kg		88	79 - 120	3	20
Dichlorobromomethane			40.0	37.1		ug/Kg		93	75 - 123	1	20
Dichlorodifluoromethane			40.0	39.0		ug/Kg		98	26 - 149	5	24
1,1-Dichloroethane			40.0	36.5		ug/Kg		91	73 - 124	2	20
1,2-Dichloroethane			40.0	34.6		ug/Kg		86	64 - 140	1	20
1,1-Dichloroethene			40.0	27.5		ug/Kg		69	55 - 136	2	21
1,2-Dichloroethene, Total			80.0	71.2		ug/Kg		89	77 - 119	1	20
1,2-Dichloropropane			40.0	37.9		ug/Kg		95	77 - 119	4	20
1,4-Dioxane			800	773	J	ug/Kg		97	18 - 166	3	40
Ethylbenzene			40.0	36.5		ug/Kg		91	79 - 119	1	20
2-Hexanone			40.0	30.4		ug/Kg		76	42 - 152	4	30
Isopropylbenzene			40.0	37.3		ug/Kg		93	70 - 125	0	21
Methyl acetate			80.0	73.6		ug/Kg		92	20 - 170	4	33
Methylcyclohexane			40.0	34.3		ug/Kg		86	70 - 125	1	22
Methylene Chloride			40.0	37.3		ug/Kg		93	67 - 131	0	32
4-Methyl-2-pentanone (MIBK)			40.0	28.9		ug/Kg		72	51 - 147	3	27
Methyl tert-butyl ether			40.0	32.4		ug/Kg		81	58 - 132	0	24
m-Xylene & p-Xylene			40.0	36.9		ug/Kg		92	77 - 120	0	20
o-Xylene			40.0	36.5		ug/Kg		91	78 - 118	1	20
Styrene			40.0	36.8		ug/Kg		92	80 - 120	1	20
1,1,2,2-Tetrachloroethane			40.0	33.5		ug/Kg		84	36 - 170	3	23
Tetrachloroethene			40.0	35.1		ug/Kg		88	71 - 121	2	21
Toluene			40.0	37.3		ug/Kg		93	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	34.5		ug/Kg		86	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	34.1		ug/Kg		85	68 - 133	1	20
1,2,3-Trichlorobenzene			40.0	34.6		ug/Kg		86	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	34.0		ug/Kg		85	22 - 170	3	29
1,1,1-Trichloroethane			40.0	36.0		ug/Kg		90	72 - 134	1	20
1,1,2-Trichloroethane			40.0	34.5		ug/Kg		86	66 - 128	2	21
Trichloroethene			40.0	35.3		ug/Kg		88	69 - 118	0	20
Trichlorofluoromethane			40.0	50.3		ug/Kg		126	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	29.1		ug/Kg		73	59 - 135	2	28
Vinyl chloride			40.0	46.8		ug/Kg		117	64 - 134	1	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440135/4
Matrix: Solid
Analysis Batch: 440135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			80.0	73.4		ug/Kg		92	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*
Toluene-d8 (Surr)	*88*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440142/1-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Acenaphthylene	ND		67	15	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Acetophenone	ND		670	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Anthracene	ND		67	17	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Atrazine	ND		670	150	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Benzaldehyde	ND		670	41	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Caprolactam	ND		1700	220	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Carbazole	ND		67	16	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4-Chloroaniline	ND		330	88	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2-Chlorophenol	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Chrysene	ND		67	37	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Dibenzofuran	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Diethyl phthalate	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/12/23 07:57	07/12/23 11:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-158997-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440142/1-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
1,4-Dioxane	ND		670	100	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Fluoranthene	ND		67	18	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Fluorene	ND		67	13	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Hexachloroethane	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Isophorone	ND		330	130	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2-Methylphenol	ND		330	96	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Naphthalene	ND		67	13	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Nitrobenzene	ND		670	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2-Nitrophenol	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Phenanthrene	ND		67	18	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Phenol	ND		330	100	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
Pyrene	ND		67	16	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/12/23 07:57	07/12/23 11:22	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/12/23 07:57	07/12/23 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*07/12/23 07:57*	*07/12/23 11:22*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*07/12/23 07:57*	*07/12/23 11:22*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*07/12/23 07:57*	*07/12/23 11:22*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*07/12/23 07:57*	*07/12/23 11:22*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*07/12/23 07:57*	*07/12/23 11:22*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*07/12/23 07:57*	*07/12/23 11:22*	*1*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440142/2-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4760		ug/Kg		71	50 - 100
Acenaphthylene	6670	5040		ug/Kg		76	52 - 100
Acetophenone	6670	4600		ug/Kg		69	48 - 100
Anthracene	6670	4640		ug/Kg		70	53 - 100
Atrazine	6670	4140		ug/Kg		62	49 - 103
Benzaldehyde	6670	5050		ug/Kg		76	23 - 105
Benzo[a]anthracene	6670	4680		ug/Kg		70	51 - 100
Benzo[a]pyrene	6670	4970		ug/Kg		75	51 - 100
Benzo[b]fluoranthene	6670	4550		ug/Kg		68	48 - 100
Benzo[g,h,i]perylene	6670	3910		ug/Kg		59	48 - 105
Benzo[k]fluoranthene	6670	4310		ug/Kg		65	19 - 100
1,1'-Biphenyl	6670	4780		ug/Kg		72	50 - 100
Bis(2-chloroethoxy)methane	6670	4820		ug/Kg		72	49 - 100
Bis(2-chloroethyl)ether	6670	4760		ug/Kg		71	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5150		ug/Kg		77	53 - 107
4-Bromophenyl phenyl ether	6670	4740		ug/Kg		71	52 - 101
Butyl benzyl phthalate	6670	5050		ug/Kg		76	52 - 107
Caprolactam	6670	5430		ug/Kg		82	48 - 111
Carbazole	6670	4740		ug/Kg		71	53 - 100
4-Chloroaniline	6670	4620		ug/Kg		69	47 - 100
4-Chloro-3-methylphenol	6670	5150		ug/Kg		77	49 - 106
2-Chloronaphthalene	6670	4610		ug/Kg		69	51 - 100
2-Chlorophenol	6670	4740		ug/Kg		71	51 - 100
4-Chlorophenyl phenyl ether	6670	4900		ug/Kg		74	52 - 100
Chrysene	6670	4730		ug/Kg		71	50 - 100
Dibenz(a,h)anthracene	6670	3950		ug/Kg		59	50 - 107
Dibenzofuran	6670	4720		ug/Kg		71	52 - 100
3,3'-Dichlorobenzidine	6670	5010		ug/Kg		75	43 - 100
2,4-Dichlorophenol	6670	4790		ug/Kg		72	53 - 101
Diethyl phthalate	6670	4650		ug/Kg		70	48 - 104
2,4-Dimethylphenol	6670	4180		ug/Kg		63	51 - 101
Dimethyl phthalate	6670	4790		ug/Kg		72	53 - 100
Di-n-butyl phthalate	6670	4890		ug/Kg		73	57 - 102
4,6-Dinitro-2-methylphenol	13300	9040		ug/Kg		68	51 - 100
2,4-Dinitrophenol	13300	9200		ug/Kg		69	33 - 101
2,4-Dinitrotoluene	6670	5360		ug/Kg		80	54 - 104
2,6-Dinitrotoluene	6670	4880		ug/Kg		73	51 - 106
Di-n-octyl phthalate	6670	5170		ug/Kg		78	41 - 106
1,4-Dioxane	6670	5850		ug/Kg		88	25 - 125
Fluoranthene	6670	4640		ug/Kg		70	55 - 100
Fluorene	6670	4940		ug/Kg		74	52 - 100
Hexachlorobenzene	6670	4570		ug/Kg		69	49 - 100
Hexachlorobutadiene	6670	4530		ug/Kg		68	38 - 107
Hexachlorocyclopentadiene	6670	3150		ug/Kg		47	33 - 117
Hexachloroethane	6670	4650		ug/Kg		70	47 - 100
Indeno[1,2,3-cd]pyrene	6670	3980		ug/Kg		60	51 - 103
Isophorone	6670	5050		ug/Kg		76	48 - 105
2-Methylnaphthalene	6670	5000		ug/Kg		75	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440142/2-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440142

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Methylphenol			6670	4850		ug/Kg		73	50 - 101		
Methylphenol, 3 & 4			6670	4840		ug/Kg		73	50 - 103		
Naphthalene			6670	4700		ug/Kg		70	51 - 100		
2-Nitroaniline			6670	5480		ug/Kg		82	42 - 123		
3-Nitroaniline			6670	5080		ug/Kg		76	50 - 103		
4-Nitroaniline			6670	5710		ug/Kg		86	52 - 103		
Nitrobenzene			6670	4710		ug/Kg		71	44 - 108		
2-Nitrophenol			6670	5300		ug/Kg		79	55 - 107		
4-Nitrophenol			13300	10600		ug/Kg		80	30 - 134		
N-Nitrosodi-n-propylamine			6670	4780		ug/Kg		72	45 - 107		
N-Nitrosodiphenylamine			6670	4720		ug/Kg		71	52 - 100		
2,2'-oxybis[1-chloropropane]			6670	4730		ug/Kg		71	30 - 113		
Pentachlorophenol			13300	9800		ug/Kg		73	42 - 110		
Phenanthrene			6670	4460		ug/Kg		67	53 - 100		
Phenol			6670	4660		ug/Kg		70	49 - 100		
Pyrene			6670	4610		ug/Kg		69	52 - 100		
1,2,4,5-Tetrachlorobenzene			6670	4570		ug/Kg		68	41 - 104		
2,3,4,6-Tetrachlorophenol			6670	4580		ug/Kg		69	47 - 104		
2,4,5-Trichlorophenol			6670	4910		ug/Kg		74	50 - 104		
2,4,6-Trichlorophenol			6670	4910		ug/Kg		74	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*44 - 105*
2-Fluorophenol (Surr)	*70*		*48 - 105*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*
Phenol-d5 (Surr)	*70*		*46 - 105*
Terphenyl-d14 (Surr)	*64*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*

Lab Sample ID: LCSD 180-440142/3-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440142

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	4550		ug/Kg		68	50 - 100	4	20
Acenaphthylene			6670	4730		ug/Kg		71	52 - 100	6	20
Acetophenone			6670	4290		ug/Kg		64	48 - 100	7	17
Anthracene			6670	4350		ug/Kg		65	53 - 100	6	20
Atrazine			6670	3980		ug/Kg		60	49 - 103	4	19
Benzaldehyde			6670	4270		ug/Kg		64	23 - 105	17	31
Benzo[a]anthracene			6670	4350		ug/Kg		65	51 - 100	7	21
Benzo[a]pyrene			6670	4600		ug/Kg		69	51 - 100	8	20
Benzo[b]fluoranthene			6670	3990		ug/Kg		60	48 - 100	13	20
Benzo[g,h,i]perylene			6670	3530		ug/Kg		53	48 - 105	10	19
Benzo[k]fluoranthene			6670	4050		ug/Kg		61	19 - 100	6	20
1,1'-Biphenyl			6670	4510		ug/Kg		68	50 - 100	6	19
Bis(2-chloroethoxy)methane			6670	4370		ug/Kg		66	49 - 100	10	20
Bis(2-chloroethyl)ether			6670	4500		ug/Kg		68	48 - 100	6	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-440142/3-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440142

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	6670	4860		ug/Kg		73	53 - 107	6	20
4-Bromophenyl phenyl ether	6670	4430		ug/Kg		67	52 - 101	7	20
Butyl benzyl phthalate	6670	4700		ug/Kg		70	52 - 107	7	19
Caprolactam	6670	4760		ug/Kg		71	48 - 111	13	23
Carbazole	6670	4390		ug/Kg		66	53 - 100	8	20
4-Chloroaniline	6670	4200		ug/Kg		63	47 - 100	10	20
4-Chloro-3-methylphenol	6670	4550		ug/Kg		68	49 - 106	12	20
2-Chloronaphthalene	6670	4420		ug/Kg		66	51 - 100	4	20
2-Chlorophenol	6670	4570		ug/Kg		68	51 - 100	4	17
4-Chlorophenyl phenyl ether	6670	4600		ug/Kg		69	52 - 100	6	19
Chrysene	6670	4370		ug/Kg		66	50 - 100	8	20
Dibenz(a,h)anthracene	6670	3670		ug/Kg		55	50 - 107	7	21
Dibenzofuran	6670	4420		ug/Kg		66	52 - 100	7	19
3,3'-Dichlorobenzidine	6670	4650		ug/Kg		70	43 - 100	7	19
2,4-Dichlorophenol	6670	4320		ug/Kg		65	53 - 101	10	22
Diethyl phthalate	6670	4350		ug/Kg		65	48 - 104	7	20
2,4-Dimethylphenol	6670	3870		ug/Kg		58	51 - 101	8	32
Dimethyl phthalate	6670	4570		ug/Kg		69	53 - 100	5	21
Di-n-butyl phthalate	6670	4640		ug/Kg		70	57 - 102	5	20
4,6-Dinitro-2-methylphenol	13300	8390		ug/Kg		63	51 - 100	7	22
2,4-Dinitrophenol	13300	8770		ug/Kg		66	33 - 101	5	20
2,4-Dinitrotoluene	6670	5120		ug/Kg		77	54 - 104	4	20
2,6-Dinitrotoluene	6670	4700		ug/Kg		70	51 - 106	4	20
Di-n-octyl phthalate	6670	4630		ug/Kg		69	41 - 106	11	18
1,4-Dioxane	6670	5480		ug/Kg		82	25 - 125	6	17
Fluoranthene	6670	4320		ug/Kg		65	55 - 100	7	20
Fluorene	6670	4620		ug/Kg		69	52 - 100	7	19
Hexachlorobenzene	6670	4310		ug/Kg		65	49 - 100	6	20
Hexachlorobutadiene	6670	4180		ug/Kg		63	38 - 107	8	22
Hexachlorocyclopentadiene	6670	3030		ug/Kg		46	33 - 117	4	19
Hexachloroethane	6670	4330		ug/Kg		65	47 - 100	7	17
Indeno[1,2,3-cd]pyrene	6670	3690		ug/Kg		55	51 - 103	7	19
Isophorone	6670	4440		ug/Kg		67	48 - 105	13	20
2-Methylnaphthalene	6670	4560		ug/Kg		68	53 - 100	9	21
2-Methylphenol	6670	4560		ug/Kg		68	50 - 101	6	17
Methylphenol, 3 & 4	6670	4600		ug/Kg		69	50 - 103	5	19
Naphthalene	6670	4280		ug/Kg		64	51 - 100	9	20
2-Nitroaniline	6670	5230		ug/Kg		78	42 - 123	5	19
3-Nitroaniline	6670	4770		ug/Kg		72	50 - 103	6	20
4-Nitroaniline	6670	5280		ug/Kg		79	52 - 103	8	18
Nitrobenzene	6670	4340		ug/Kg		65	44 - 108	8	21
2-Nitrophenol	6670	4870		ug/Kg		73	55 - 107	8	19
4-Nitrophenol	13300	9750		ug/Kg		73	30 - 134	8	18
N-Nitrosodi-n-propylamine	6670	4510		ug/Kg		68	45 - 107	6	18
N-Nitrosodiphenylamine	6670	4350		ug/Kg		65	52 - 100	8	20
2,2'-oxybis[1-chloropropane]	6670	4420		ug/Kg		66	30 - 113	7	17
Pentachlorophenol	13300	9370		ug/Kg		70	42 - 110	4	20
Phenanthrene	6670	4220		ug/Kg		63	53 - 100	6	20
Phenol	6670	4430		ug/Kg		66	49 - 100	5	16

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-440142/3-A
Matrix: Solid
Analysis Batch: 440167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440142

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			6670	4280		ug/Kg		64	52 - 100	7	20
1,2,4,5-Tetrachlorobenzene			6670	4290		ug/Kg		64	41 - 104	6	21
2,3,4,6-Tetrachlorophenol			6670	4470		ug/Kg		67	47 - 104	3	18
2,4,5-Trichlorophenol			6670	4610		ug/Kg		69	50 - 104	6	21
2,4,6-Trichlorophenol			6670	4520		ug/Kg		68	50 - 105	8	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*44 - 105*
2-Fluorophenol (Surr)	*68*		*48 - 105*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*
Phenol-d5 (Surr)	*67*		*46 - 105*
Terphenyl-d14 (Surr)	*59*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440076/1-A
Matrix: Solid
Analysis Batch: 440098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1221	ND		17	5.9	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1232	ND		17	4.1	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1242	ND		17	2.4	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1248	ND		17	4.0	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1254	ND		17	5.0	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1260	ND		17	4.7	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1262	ND		17	5.9	ug/Kg		07/11/23 16:21	07/12/23 07:12	1
PCB-1268	ND		17	2.2	ug/Kg		07/11/23 16:21	07/12/23 07:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/11/23 16:21*	*07/12/23 07:12*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*07/11/23 16:21*	*07/12/23 07:12*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*07/11/23 16:21*	*07/12/23 07:12*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/11/23 16:21*	*07/12/23 07:12*	*1*

Lab Sample ID: LCS 180-440076/2-A
Matrix: Solid
Analysis Batch: 440098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440076

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1180		ug/Kg		89	43 - 136		
PCB-1260			1330	1410		ug/Kg		106	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-440076/2-A
Matrix: Solid
Analysis Batch: 440098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440076

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*

Lab Sample ID: LCSD 180-440076/3-A
Matrix: Solid
Analysis Batch: 440098

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440076

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1220		ug/Kg		92	43 - 136	4	40
PCB-1260			1330	1520		ug/Kg		114	55 - 128	8	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440029/1-A
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	4.9	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Antimony	ND		0.98	0.30	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Arsenic	ND		0.98	0.61	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Barium	ND		20	3.5	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Beryllium	ND		0.39	0.11	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Cadmium	ND		0.49	0.072	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Calcium	ND		490	63	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Chromium	ND		0.49	0.45	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Cobalt	ND		4.9	0.69	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Copper	ND		2.5	1.5	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Iron	ND		9.8	9.5	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Lead	ND		0.98	0.85	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Magnesium	ND		490	54	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Manganese	ND		1.5	0.27	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Nickel	ND		3.9	0.49	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Potassium	ND		490	83	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Selenium	ND		0.98	0.45	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Silver	ND		0.49	0.10	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Sodium	ND		490	50	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Thallium	ND		2.0	0.28	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Vanadium	ND		4.9	0.78	mg/Kg		07/11/23 11:25	07/11/23 20:05	1
Zinc	1.59	J	2.0	1.4	mg/Kg		07/11/23 11:25	07/11/23 20:05	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-440029/2-A
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	943	923		mg/Kg		98	80 - 120
Antimony	47.2	48.2		mg/Kg		102	80 - 120
Arsenic	189	192		mg/Kg		102	80 - 120
Barium	189	187		mg/Kg		99	80 - 120
Beryllium	94.3	94.3		mg/Kg		100	80 - 120
Cadmium	94.3	91.3		mg/Kg		97	80 - 120
Calcium	4720	4790		mg/Kg		101	80 - 120
Chromium	94.3	92.5		mg/Kg		98	80 - 120
Cobalt	94.3	94.6		mg/Kg		100	80 - 120
Copper	94.3	97.9		mg/Kg		104	80 - 120
Iron	943	940		mg/Kg		100	80 - 120
Lead	94.3	92.3		mg/Kg		98	80 - 120
Magnesium	4720	4650		mg/Kg		99	80 - 120
Manganese	94.3	91.6		mg/Kg		97	80 - 120
Nickel	94.3	94.2		mg/Kg		100	80 - 120
Potassium	4720	4460		mg/Kg		95	80 - 120
Selenium	189	190		mg/Kg		101	80 - 120
Silver	47.2	45.5		mg/Kg		97	80 - 120
Sodium	4720	4820		mg/Kg		102	80 - 120
Thallium	189	180		mg/Kg		96	80 - 120
Vanadium	94.3	97.7		mg/Kg		104	80 - 120
Zinc	47.2	47.6		mg/Kg		101	80 - 120

Lab Sample ID: 180-158997-1 MS
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Prep Type: Total/NA
Prep Batch: 440029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7100		496	7210	4	mg/Kg	☼	17	75 - 125
Antimony	0.86	J F2 F1	24.8	26.6		mg/Kg	☼	104	75 - 125
Arsenic	4.2	F2 F1	99.2	193	F1	mg/Kg	☼	190	75 - 125
Barium	49	F2 F1	99.2	222	F1	mg/Kg	☼	174	75 - 125
Beryllium	0.29	J F2 F1	49.6	91.0	F1	mg/Kg	☼	183	75 - 125
Cadmium	0.14	J F2 F1	49.6	85.9	F1	mg/Kg	☼	173	75 - 125
Calcium	58000	F2	2480	33000	4	mg/Kg	☼	-987	75 - 125
Chromium	8.8	F2 F1	49.6	96.0	F1	mg/Kg	☼	176	75 - 125
Cobalt	6.4	F2 F1	49.6	104	F1	mg/Kg	☼	196	75 - 125
Copper	22	F2 F1	49.6	117	F1	mg/Kg	☼	192	75 - 125
Iron	16000		496	13200	4	mg/Kg	☼	-547	75 - 125
Lead	6.4	F2 F1	49.6	99.1	F1	mg/Kg	☼	187	75 - 125
Magnesium	6400	F2 F1	2480	13000	F1	mg/Kg	☼	267	75 - 125
Manganese	330		49.6	480	4	mg/Kg	☼	296	75 - 125
Nickel	16	F2 F1	49.6	111	F1	mg/Kg	☼	192	75 - 125
Potassium	630	F2 F1	2480	4910	F1	mg/Kg	☼	173	75 - 125
Selenium	ND	F2 F1	99.2	187	F1	mg/Kg	☼	189	75 - 125
Silver	ND	F2 F1	24.8	11.0	F1	mg/Kg	☼	44	75 - 125
Sodium	71	J F2 F1	2480	4950	F1	mg/Kg	☼	197	75 - 125
Thallium	0.41	J F2 F1	99.2	181	F1	mg/Kg	☼	182	75 - 125
Vanadium	12	F2 F1	49.6	107	F1	mg/Kg	☼	193	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-158997-1 MS
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Prep Type: Total/NA
Prep Batch: 440029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	57	F2 F1 B	24.8	93.4	F1	mg/Kg	☼	145	75 - 125

Lab Sample ID: 180-158997-1 MSD
Matrix: Solid
Analysis Batch: 440148

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Prep Type: Total/NA
Prep Batch: 440029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7100		469	6670	4	mg/Kg	☼	-98	75 - 125	8	20
Antimony	0.86	J F2 F1	23.5	8.94	F2 F1	mg/Kg	☼	34	75 - 125	99	20
Arsenic	4.2	F2 F1	93.9	94.8	F2	mg/Kg	☼	97	75 - 125	68	20
Barium	49	F2 F1	93.9	132	F2	mg/Kg	☼	88	75 - 125	51	20
Beryllium	0.29	J F2 F1	46.9	43.6	F2	mg/Kg	☼	92	75 - 125	70	20
Cadmium	0.14	J F2 F1	46.9	40.2	F2	mg/Kg	☼	85	75 - 125	72	20
Calcium	58000	F2	2350	55100	4 F2	mg/Kg	☼	-104	75 - 125	50	20
Chromium	8.8	F2 F1	46.9	49.9	F2	mg/Kg	☼	88	75 - 125	63	20
Cobalt	6.4	F2 F1	46.9	55.7	F2	mg/Kg	☼	105	75 - 125	60	20
Copper	22	F2 F1	46.9	66.9	F2	mg/Kg	☼	96	75 - 125	55	20
Iron	16000		469	15600	4	mg/Kg	☼	-73	75 - 125	16	20
Lead	6.4	F2 F1	46.9	53.8	F2	mg/Kg	☼	101	75 - 125	59	20
Magnesium	6400	F2 F1	2350	10300	F1 F2	mg/Kg	☼	167	75 - 125	23	20
Manganese	330		46.9	482	4	mg/Kg	☼	315	75 - 125	0	20
Nickel	16	F2 F1	46.9	65.2	F2	mg/Kg	☼	106	75 - 125	52	20
Potassium	630	F2 F1	2350	2610	F2	mg/Kg	☼	84	75 - 125	61	20
Selenium	ND	F2 F1	93.9	88.8	F2	mg/Kg	☼	95	75 - 125	71	20
Silver	ND	F2 F1	23.5	22.6	F2	mg/Kg	☼	96	75 - 125	70	20
Sodium	71	J F2 F1	2350	2410	F2	mg/Kg	☼	99	75 - 125	69	20
Thallium	0.41	J F2 F1	93.9	89.5	F2	mg/Kg	☼	95	75 - 125	68	20
Vanadium	12	F2 F1	46.9	56.2	F2	mg/Kg	☼	94	75 - 125	63	20
Zinc	57	F2 F1 B	23.5	73.3	F2 F1	mg/Kg	☼	68	75 - 125	24	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440037/1-A
Matrix: Solid
Analysis Batch: 440165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0217	J	0.033	0.021	mg/Kg		07/11/23 11:30	07/12/23 08:27	1

Lab Sample ID: LCS 180-440037/2-A
Matrix: Solid
Analysis Batch: 440165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.440		mg/Kg		106	80 - 120

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-158997-1 MS
Matrix: Solid
Analysis Batch: 440165

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Prep Type: Total/NA
Prep Batch: 440037

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.034	B	0.164	0.189		mg/Kg	☼	94	80 - 120		

Lab Sample ID: 180-158997-1 MSD
Matrix: Solid
Analysis Batch: 440165

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Prep Type: Total/NA
Prep Batch: 440037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.034	B	0.159	0.186		mg/Kg	☼	96	80 - 120	2	20

GC/MS VOA

Analysis Batch: 439988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 8260C	440016
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	EPA 8260C	440016
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	EPA 8260C	440016
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	EPA 8260C	440016
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	EPA 8260C	440016
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	EPA 8260C	440016
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	EPA 8260C	440016
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	EPA 8260C	440016
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	EPA 8260C	440016
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	EPA 8260C	440016
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 8260C	440016
MB 180-439988/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-439988/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-439988/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 440016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	5035	
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	5035	
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	5035	
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	5035	
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	5035	
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	5035	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	5035	
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	5035	
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	5035	
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	5035	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	5035	

Analysis Batch: 440135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	EPA 8260C	440170
180-158997-10 - RA	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	EPA 8260C	440170
MB 180-440135/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440135/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440135/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 440170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	5035	
180-158997-10 - RA	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 440142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3541	
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	3541	
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	3541	
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	3541	
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 440142 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	3541	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	3541	
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	3541	
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	3541	
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	3541	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3541	
MB 180-440142/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440142/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-440142/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 440167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 8270D	440142
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	EPA 8270D	440142
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	EPA 8270D	440142
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	EPA 8270D	440142
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	EPA 8270D	440142
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	EPA 8270D	440142
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	EPA 8270D	440142
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	EPA 8270D	440142
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	EPA 8270D	440142
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	EPA 8270D	440142
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 8270D	440142
MB 180-440142/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440142
LCS 180-440142/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440142
LCSD 180-440142/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	440142

GC Semi VOA

Prep Batch: 440076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3541	
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	3541	
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	3541	
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	3541	
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	3541	
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	3541	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	3541	
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	3541	
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	3541	
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	3541	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3541	
MB 180-440076/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440076/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-440076/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 440094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3665A	440076
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	3665A	440076
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	3665A	440076

GC Semi VOA (Continued)

Cleanup Batch: 440094 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	3665A	440076
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	3665A	440076
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	3665A	440076
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	3665A	440076
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	3665A	440076
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	3665A	440076
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	3665A	440076
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3665A	440076

Cleanup Batch: 440095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3660B	440094
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	3660B	440094
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	3660B	440094
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	3660B	440094
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	3660B	440094
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	3660B	440094
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	3660B	440094
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	3660B	440094
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	3660B	440094
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	3660B	440094
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3660B	440094

Analysis Batch: 440098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 8082A	440095
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	EPA 8082A	440095
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	EPA 8082A	440095
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	EPA 8082A	440095
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	EPA 8082A	440095
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	EPA 8082A	440095
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	EPA 8082A	440095
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	EPA 8082A	440095
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	EPA 8082A	440095
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	EPA 8082A	440095
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 8082A	440095
MB 180-440076/1-A	Method Blank	Total/NA	Solid	EPA 8082A	440076
LCS 180-440076/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	440076
LCSD 180-440076/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	440076

Metals

Prep Batch: 440029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3050B	
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	3050B	
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	3050B	
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	3050B	
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	3050B	
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	3050B	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 440029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	3050B	
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	3050B	
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	3050B	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3050B	
MB 180-440029/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440029/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-158997-1 MS	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3050B	
180-158997-1 MSD	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	3050B	

Prep Batch: 440037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	7471B	
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	7471B	
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	7471B	
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	7471B	
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	7471B	
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	7471B	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	7471B	
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	7471B	
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	7471B	
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	7471B	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	7471B	
MB 180-440037/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440037/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-158997-1 MS	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	7471B	
180-158997-1 MSD	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	7471B	

Analysis Batch: 440148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 6010C	440029
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	EPA 6010C	440029
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	EPA 6010C	440029
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	EPA 6010C	440029
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	EPA 6010C	440029
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	EPA 6010C	440029
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	EPA 6010C	440029
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	EPA 6010C	440029
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	EPA 6010C	440029
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	EPA 6010C	440029
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 6010C	440029
MB 180-440029/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440029
LCS 180-440029/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440029
180-158997-1 MS	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 6010C	440029
180-158997-1 MSD	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 6010C	440029

Analysis Batch: 440165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 7471B	440037
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	EPA 7471B	440037
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	EPA 7471B	440037
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	EPA 7471B	440037

Metals (Continued)

Analysis Batch: 440165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	EPA 7471B	440037
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	EPA 7471B	440037
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	EPA 7471B	440037
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	EPA 7471B	440037
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	EPA 7471B	440037
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	EPA 7471B	440037
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 7471B	440037
MB 180-440037/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440037
LCS 180-440037/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440037
180-158997-1 MS	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 7471B	440037
180-158997-1 MSD	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	EPA 7471B	440037

Analysis Batch: 440262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	EPA 6010C	440029

Analysis Batch: 440542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	EPA 6010C	440029

General Chemistry

Analysis Batch: 440031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-2	SSHS-ISMP-NAF-UT-S2	Total/NA	Solid	2540G	
180-158997-3	SSHS-ISMP-NAF-UT-S3	Total/NA	Solid	2540G	
180-158997-6	SSHS-ISMP-NAF-DUP8A	Total/NA	Solid	2540G	

Analysis Batch: 440039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	2540G	
180-158997-4	SSHS-ISMP-NAF-UT-S4	Total/NA	Solid	2540G	
180-158997-5	SSHS-ISMP-NAF-UT-B1	Total/NA	Solid	2540G	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	2540G	
180-158997-8	SSHS-ISMP-NAF-UT-B3	Total/NA	Solid	2540G	
180-158997-9	SSHS-ISMP-NAF-UT-S5	Total/NA	Solid	2540G	
180-158997-10	SSHS-ISMP-NAF-UT-S6	Total/NA	Solid	2540G	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s).	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S1	7/10/23	1200	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S2	7/10/23	1205	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S3	7/10/23	1210	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S4	7/10/23	1215	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B1	7/10/23	1220	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP8A	7/10/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B2	7/10/23	1225	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B3	7/10/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S5	7/10/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S6	7/10/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S7	7/10/23	1445	G	S	N	N	X	X	X	X	X	X	8	

180-158997 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	7/10/23 1700	Geosyntec	[signature]	7-11-23 9:17	EHWT
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

7/17/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

180-158997 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteloil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-ISMP-NAF-UT-S1	7/10/23	1200	G	S	N	N	X	X	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S2	7/10/23	1205	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S3	7/10/23	1210	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S4	7/10/23	1215	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-B1	7/10/23	1220	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-DUP8A	7/10/23	--	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-B2	7/10/23	1225	G	S	N	N	X	X	X	X	X	X									8	
SSHS-ISMP-NAF-UT-B3	7/10/23	1430	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S5	7/10/23	1435	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S6	7/10/23	1440	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S7	7/10/23	1445	G	S	N	N	X	X	X	X	X	X									8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Hahn	Date/Time: 7/10/23/1700	Company: Geosyntec	Received by:	Date/Time: 7/11/23 0930	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 1.3

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Sacramento
Sample Receiving Notes



Job:_____

Tracking # : 7726 9249 8581

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 150 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 1.3 °C Corrected: 1.3 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 7/11/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MM Date: 7/11/23

Notes:_____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: MM Date: 7/11/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-158997-1

Login Number: 158997
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/18/2023 2:06:36 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-158997-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/18/2023 2:06:36 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-158997-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-158997-2

Receipt
The samples were received on 7/11/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.3º C, 5.6º C and 5.8º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-158997-1	SSHS-ISMP-NAF-UT-S1	Solid	07/10/23 12:00	07/11/23 09:17
180-158997-7	SSHS-ISMP-NAF-UT-B2	Solid	07/10/23 12:25	07/11/23 09:17
180-158997-11	SSHS-ISMP-NAF-UT-S7	Solid	07/10/23 14:45	07/11/23 09:17

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.46 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 13:04	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 13:15	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11
Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 13:27	C1P	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

EJR = Eduardo Rangel

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S1
Lab Sample ID: 180-158997-1
Date Collected: 07/10/23 12:00
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 95.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	07/13/23 04:35	07/14/23 13:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C5 PFPeA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C2 PFHxA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C4 PFHpA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C4 PFOA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C2 PFDA	*109*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C2 PFUnA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C2 PFDoA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C3 PFBS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
18O2 PFHxS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C4 PFOS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
13C8 FOSA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
d5-NEtFOSAA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:04*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B2
Lab Sample ID: 180-158997-7
Date Collected: 07/10/23 12:25
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 90.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 13:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C5 PFPeA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C4 PFHpA	*103*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C4 PFOA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C5 PFNA	*103*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C2 PFDA	*108*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C2 PFUnA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C2 PFDoA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C3 PFBS	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
18O2 PFHxS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C4 PFOS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
13C8 FOSA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:15*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-158997-11
Date Collected: 07/10/23 14:45
Matrix: Solid
Date Received: 07/11/23 09:17
Percent Solids: 93.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 13:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C5 PFPeA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C2 PFHxA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C4 PFHpA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C4 PFOA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C5 PFNA	*106*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C2 PFDA	*104*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C2 PFUnA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C2 PFDoA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C3 PFBS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
18O2 PFHxS	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C4 PFOS	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
13C8 FOSA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:27*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-690142/1-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/13/23 04:35	07/14/23 12:42	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C5 PFPeA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFHxA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFOA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C5 PFNA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFDA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C3 PFBS	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
18O2 PFHxS	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFOS	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C8 FOSA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-690142/2-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		100	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		95	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.95		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.16		ug/Kg		108	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.87		ug/Kg		93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.10		ug/Kg		105	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.74		ug/Kg		98	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.82		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.97		ug/Kg		103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.89		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.77		ug/Kg		92	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.11		ug/Kg		106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.04		ug/Kg		107	73 - 139
8:2 FTS	1.92	1.89		ug/Kg		98	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*98*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*101*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*104*		*25 - 150*
13C2 PFDA	*110*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*99*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*92*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*94*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-690142/2-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690142

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	99		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-158997-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 690142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	SHAKE	
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	SHAKE	
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	SHAKE	
MB 320-690142/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-690142/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 690611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-158997-1	SSHS-ISMP-NAF-UT-S1	Total/NA	Solid	537 (modified)	690142
180-158997-7	SSHS-ISMP-NAF-UT-B2	Total/NA	Solid	537 (modified)	690142
180-158997-11	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	537 (modified)	690142
MB 320-690142/1-A	Method Blank	Total/NA	Solid	537 (modified)	690142
LCS 320-690142/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	690142

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s).	COC No.: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S1	7/10/23	1200	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S2	7/10/23	1205	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S3	7/10/23	1210	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S4	7/10/23	1215	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B1	7/10/23	1220	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP8A	7/10/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B2	7/10/23	1225	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B3	7/10/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S5	7/10/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S6	7/10/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S7	7/10/23	1445	G	S	N	N	X	X	X	X	X	X	8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time: 7-11-23 9:17	Company: EHWT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

180-158997 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteloil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S1	7/10/23	1200	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S2	7/10/23	1205	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S3	7/10/23	1210	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S4	7/10/23	1215	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B1	7/10/23	1220	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP8A	7/10/23	--	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B2	7/10/23	1225	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B3	7/10/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S5	7/10/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S6	7/10/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S7	7/10/23	1445	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Hahn	Date/Time: 7/10/23/1700	Company: Geosyntec	Received by:	Date/Time: 7/11/23 0930	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Seal | Cooler Temperature(s) °C and Other Remarks: 1.3

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Sacramento
Sample Receiving Notes



Job: _____

Tracking # : 7726 9249 8581

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 150 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 1.3 °C Corrected: 1.3 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 7/11/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MM Date: 7/11/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: MM Date: 7/11/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-158997-2

Login Number: 158997
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-158997-2

Login Number: 158997
List Number: 2
Creator: Medeiros, Ryan M

List Source: Eurofins Sacramento
List Creation: 07/11/23 05:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3 c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/18/2023 2:22:15 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159065-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159065-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159065-2

Receipt
The samples were received on 7/12/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 3.3º C, 3.4º C, 3.5º C, 3.6º C, 3.6º C, 4.1º C and 4.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159065-4	SSHS-ISMP-NAF-UT-S11	Solid	07/11/23 12:15	07/12/23 09:46
180-159065-5	SSHS-ISMP-NAF-DUP9A	Solid	07/11/23 00:00	07/12/23 09:46
180-159065-8	SSHS-ISMP-NAF-UT-S14	Solid	07/11/23 12:30	07/12/23 09:46
180-159065-13	SSHS-ISMP-NAF-UT-B6	Solid	07/11/23 12:55	07/12/23 09:46
180-159065-17	SSHS-ISMP-NAF-UT-S19	Solid	07/11/23 14:10	07/12/23 09:46

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4
Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 13:38	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.42 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 13:49	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 14:00	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13
Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.12 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 14:11	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 14:23	C1P	EET SAC
	Instrument ID: A18									

Laboratory References:
EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET SAC

Batch Type: Prep

EJR = Eduardo Rangel

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client Sample ID: SSHS-ISMP-NAF-UT-S11
Lab Sample ID: 180-159065-4

Date Collected: 07/11/23 12:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
6:2 FTS	ND		0.20	0.028	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	07/13/23 04:35	07/14/23 13:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C5 PFPeA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C2 PFHxA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C4 PFHpA	*104*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C4 PFOA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C5 PFNA	*104*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C2 PFUnA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C2 PFDoA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C3 PFBS	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
18O2 PFHxS	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C4 PFOS	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
13C8 FOSA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:38*	*1*

Client Sample ID: SSHS-ISMP-NAF-DUP9A
Lab Sample ID: 180-159065-5

Date Collected: 07/11/23 00:00
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 91.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 13:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C5 PFPeA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C2 PFHxA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C4 PFHpA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C4 PFOA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C2 PFDA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C2 PFUnA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C2 PFDoA	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C2 PFTeDA	*72*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C3 PFBS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
18O2 PFHxS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C4 PFOS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
13C8 FOSA	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
d3-NMeFOSAA	*74*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
M2-6:2 FTS	*81*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 13:49*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S14
Lab Sample ID: 180-159065-8
Date Collected: 07/11/23 12:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/13/23 04:35	07/14/23 14:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C2 PFHxA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C4 PFHpA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C4 PFOA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C5 PFNA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C2 PFUnA	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C2 PFTeDA	*66*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C3 PFBS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
18O2 PFHxS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C4 PFOS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
13C8 FOSA	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:00*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B6
Lab Sample ID: 180-159065-13

Date Collected: 07/11/23 12:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
Perfluorooctanesulfonamide (FOSA)	**0.048**	**J**	0.22	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 14:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C5 PFPeA	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C4 PFHpA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C5 PFNA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C2 PFDA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C2 PFUnA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C2 PFDoA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C3 PFBS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
18O2 PFHxS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C4 PFOS	*81*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
13C8 FOSA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:11*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S19
Lab Sample ID: 180-159065-17
Date Collected: 07/11/23 14:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorooctanesulfonic acid (PFOS)	**0.044**	**J**	0.20	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 14:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C5 PFPeA	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C2 PFHxA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C4 PFHpA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C4 PFOA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C5 PFNA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C2 PFDA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C2 PFUnA	*92*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C2 PFDoA	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C3 PFBS	*69*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
18O2 PFHxS	*71*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C4 PFOS	*72*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
13C8 FOSA	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
d5-NEtFOSAA	*73*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-690142/1-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/13/23 04:35	07/14/23 12:42	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C5 PFPeA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFHxA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFOA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C5 PFNA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFDA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C3 PFBS	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
18O2 PFHxS	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFOS	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C8 FOSA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-690142/2-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		100	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		95	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.95		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.16		ug/Kg		108	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.87		ug/Kg		93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.10		ug/Kg		105	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.74		ug/Kg		98	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.82		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.97		ug/Kg		103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.89		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.77		ug/Kg		92	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.11		ug/Kg		106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.04		ug/Kg		107	73 - 139
8:2 FTS	1.92	1.89		ug/Kg		98	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*98*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*101*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*104*		*25 - 150*
13C2 PFDA	*110*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*99*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*92*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*94*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-690142/2-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690142

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	99		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159065-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 690142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	SHAKE	
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	SHAKE	
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	SHAKE	
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	SHAKE	
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	SHAKE	
MB 320-690142/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-690142/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 690611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159065-4	SSHS-ISMP-NAF-UT-S11	Total/NA	Solid	537 (modified)	690142
180-159065-5	SSHS-ISMP-NAF-DUP9A	Total/NA	Solid	537 (modified)	690142
180-159065-8	SSHS-ISMP-NAF-UT-S14	Total/NA	Solid	537 (modified)	690142
180-159065-13	SSHS-ISMP-NAF-UT-B6	Total/NA	Solid	537 (modified)	690142
180-159065-17	SSHS-ISMP-NAF-UT-S19	Total/NA	Solid	537 (modified)	690142
MB 320-690142/1-A	Method Blank	Total/NA	Solid	537 (modified)	690142
LCS 320-690142/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	690142

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation-COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN08321			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S8	7/11/23	1200	G	S	N	N	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S9	7/11/23	1205	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S10	7/11/23	1210	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S11	7/11/23	1215	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-DUP9A	7/11/23	–	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S12	7/11/23	1220	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S13	7/11/23	1225	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S14	7/11/23	1230	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S15	7/11/23	1235	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-UT-S16	7/11/23	1240	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B4	7/11/23	1245	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B5	7/11/23	1250	G	S	N	N	X	X	X	X									6	

180-159065 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Miranda Stelmach	7/11/23/1800	Geosyntec		7/12/23 0946	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks.

Ver 01/16/2019

Page 20 of 20

7/18/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation- COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-ISMP-NAF-UT-B6	7/11/23	1255	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S17	7/11/23	1400	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S18	7/11/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-DUP10A	7/11/23	--	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S19	7/11/23	1410	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S20	7/11/23	1415	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S21	7/11/23	1420	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S22	7/11/23	1425	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Stelmach	Date/Time: 7/11/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/12/23 0946	Company: Eurofins	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

14 13 12 11 10 9 8 7 6 5 4 3 2 1

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-159065 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S8	7/11/23	1200	G	S	N	N	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S9	7/11/23	1205	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S10	7/11/23	1210	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S11	7/11/23	1215	G	S	N	N	X	X	X	X	X	X							8	
~~SSHS-ISMP-NAF-DUP9A~~	~~7/11/23~~	~~—~~	~~G~~	~~S~~	~~N~~	~~N~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~							~~8~~	
SSHS-ISMP-NAF-UT-S12	7/11/23	1220	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S13	7/11/23	1225	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S14	7/11/23	1230	G	S	N	N	X	X	X	X	X	X							8	
~~SSHS-ISMP-NAF-UT-S15~~	~~7/11/23~~	~~1235~~	~~G~~	~~S~~	~~N~~	~~Y~~	~~X~~	~~X~~	~~X~~	~~X~~									~~16~~	
SSHS-ISMP-NAF-UT-S16	7/11/23	1240	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B4	7/11/23	1245	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B5	7/11/23	1250	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
	Meaude Ardrech	7/11/23/1800	Geosyntec		7/12/23 915	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-B6	7/11/23	1255	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S17	7/11/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S18	7/11/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP10A	7/11/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S19	7/11/23	1410	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S20	7/11/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S21	7/11/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S22	7/11/23	1425	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Miranda Hahn	7/11/23 1800	Geosyntec		7/12/23 915	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

7/18/2023

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Sacramento
Sample Receiving Notes

180-159065 Field Sheet

Tracking # : 7727 0138 0179

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: ✓

Temp Observed: 4.2 °C Corrected: 4.2 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 7/12/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☒	☐
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: CF Date: 7·12·23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: CF Date: 7·12·23

WC3 ESB

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159065-2

Login Number: 159065
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159065-2

Login Number: 159065
List Number: 2
Creator: Pratali, Sandra A

List Source: Eurofins Sacramento
List Creation: 07/12/23 07:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/18/2023 5:13:16 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159066-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/18/2023 5:13:16 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Receipt Checklists 130

Job ID: 180-159066-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159066-1

Receipt
The samples were received on 7/12/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 3.3º C, 3.4º C, 3.5º C, 3.6º C, 3.6º C, 4.1º C and 4.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440379 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Bromoform, Bromomethane, and Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440379 was above criteria for the following analyte: Methylene Chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440453 was below criteria for the following analyte: 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440453 was above criteria for the following analyte: Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate Nitrobenzene-d5 was above the control limits for the following sample: SSHS-ISMP-NAF-UT-S25 (180-159066-3). As the surrogate recovery was high and there were no target analytes detected in the sample, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S29 (180-159066-10) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440291 was above criteria for the following analytes: Bis(2-chloroethoxy)methane, Hexachlorocyclopentadiene, and 4-Nitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440356 was above criteria for the following analytes: Bis(2-chloroethoxy)methane and 4-Nitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Samples SSHS-ISMP-NAF-UT-S26 (180-159066-6), SSHS-ISMP-NAF-UT-S33 (180-159066-14), and SSHS-ISMP-NAF-UT-S34 (180-159066-15) had the recovery of surrogate decachlorobiphenyl below the control limits on column RTX-CLP2. The recovery on column RTX-CLP1 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The matrix spike (MS) recovery of sample SSHS-ISMP-NAF-UT-S29 (180-159066-10) was below the control limits for aroclor 1260. The RPD between the spikes was also above the control limits for aroclors 1016 and 1260. The recoveries of the laboratory

Job ID: 180-159066-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

control sample (LCS) were within the control limits. The matrix spike also had all surrogate recoveries below the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: SSHS-ISMP-NAF-UT-S25 (180-159066-3) and SSHS-ISMP-NAF-UT-S34 (180-159066-15). All analytes referencing the yttrium internal standard required dilution due to the yttrium internal standard counts being above the 70%-130% control limits.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S29 (180-159066-10) had several recoveries and the RPD between the spikes for calcium outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159066-1	SSHS-ISMP-NAF-UT-S23	Solid	07/11/23 14:30	07/12/23 09:46
180-159066-2	SSHS-ISMP-NAF-UT-S24	Solid	07/11/23 14:35	07/12/23 09:46
180-159066-3	SSHS-ISMP-NAF-UT-S25	Solid	07/11/23 14:40	07/12/23 09:46
180-159066-4	SSHS-ISMP-NAF-UT-B7	Solid	07/11/23 14:45	07/12/23 09:46
180-159066-5	SSHS-ISMP-NAF-UT-B8	Solid	07/11/23 14:50	07/12/23 09:46
180-159066-6	SSHS-ISMP-NAF-UT-S26	Solid	07/11/23 15:30	07/12/23 09:46
180-159066-7	SSHS-ISMP-NAF-UT-S27	Solid	07/11/23 15:35	07/12/23 09:46
180-159066-8	SSHS-ISMP-NAF-DUP11A	Solid	07/11/23 00:00	07/12/23 09:46
180-159066-9	SSHS-ISMP-NAF-UT-S28	Solid	07/11/23 15:40	07/12/23 09:46
180-159066-10	SSHS-ISMP-NAF-UT-S29	Solid	07/11/23 15:45	07/12/23 09:46
180-159066-11	SSHS-ISMP-NAF-UT-S30	Solid	07/11/23 15:50	07/12/23 09:46
180-159066-12	SSHS-ISMP-NAF-UT-S31	Solid	07/11/23 15:55	07/12/23 09:46
180-159066-13	SSHS-ISMP-NAF-UT-S32	Solid	07/11/23 16:00	07/12/23 09:46
180-159066-14	SSHS-ISMP-NAF-UT-S33	Solid	07/11/23 16:05	07/12/23 09:46
180-159066-15	SSHS-ISMP-NAF-UT-S34	Solid	07/11/23 16:10	07/12/23 09:46
180-159066-16	SSHS-ISMP-NAF-UT-B9	Solid	07/11/23 16:15	07/12/23 09:46
180-159066-17	SSHS-ISMP-NAF-UT-B10	Solid	07/11/23 16:20	07/12/23 09:46
180-159066-18	SSHS-ISMP-NAF-DUP12A	Solid	07/11/23 00:00	07/12/23 09:46

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1
Date Collected: 07/11/23 14:30
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1
Date Collected: 07/11/23 14:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2305 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 18:52	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 12:36	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 16:30	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:06	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:37	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1162 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 19:14	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 12:57	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
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Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 16:47	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:38	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3
Date Collected: 07/11/23 14:40
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3
Date Collected: 07/11/23 14:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2328 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 19:37	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 13:19	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 17:05	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.58 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			440639	07/17/23 18:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:39	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B7
Lab Sample ID: 180-159066-4
Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B7
Lab Sample ID: 180-159066-4
Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3346 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 20:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 13:40	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 17:23	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.59 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:31	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:40	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440182	07/12/23 12:50	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2462 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 20:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 14:02	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 17:40	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.77 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6
Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6
Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2236 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 20:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 14:24	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 17:58	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:45	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7
Date Collected: 07/11/23 15:35
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7
Date Collected: 07/11/23 15:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4625 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 21:08	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 14:45	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 18:16	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:47	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 21:30	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 15:07	VVP	EET PIT
	Instrument ID: CH731									

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 18:33	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.65 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:48	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9

Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9

Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440453	07/15/23 19:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 15:29	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 18:51	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.67 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 11:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:49	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10
Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10
Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1145 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 15:28	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 11:31	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 15:36	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 10:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:34	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11
Date Collected: 07/11/23 15:50
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11
Date Collected: 07/11/23 15:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3362 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 21:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 15:50	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11
Date Collected: 07/11/23 15:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 19:09	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:01	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12
Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12
Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2279 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 22:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 16:12	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.5 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 20:02	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.74 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:06	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:51	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13
Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13
Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 22:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 16:34	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/13/23 20:20	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.94 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:52	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14
Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14
Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1126 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440379	07/14/23 23:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 16:55	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14
Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/14/23 05:01	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:53	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15
Date Collected: 07/11/23 16:10
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15
Date Collected: 07/11/23 16:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1264 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440453	07/15/23 11:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 17:17	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/14/23 05:19	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.63 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		2			440639	07/17/23 18:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:54	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16
Date Collected: 07/11/23 16:15
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16
Date Collected: 07/11/23 16:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2249 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440453	07/15/23 11:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 17:39	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/14/23 05:37	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.73 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:55	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440189	07/12/23 13:49	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3306 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440453	07/15/23 12:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 18:00	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/14/23 05:54	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 08:59	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440180	07/12/23 12:24	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4625 g	5 mL	440287	07/13/23 10:59	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440453	07/15/23 12:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440259	07/13/23 08:23	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440356	07/14/23 18:22	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	440198	07/12/23 16:34	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440217	07/13/23 05:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440218	07/13/23 05:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440226	07/14/23 06:12	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	440222	07/13/23 07:15	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			440542	07/14/23 12:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440221	07/13/23 09:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440415	07/14/23 09:00	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-159066-1

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - JSM = Joseph Moore
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - S1Z = Sage Ziviello
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - AAS = Ariana Swick
  - CMC = Candace California
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1

Date Collected: 07/11/23 14:30
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Chlorodibromomethane	**5.1**		5.1	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Dichlorobromomethane	**5.4**		5.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1
Date Collected: 07/11/23 14:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/13/23 10:59	07/14/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*07/13/23 10:59*	*07/14/23 18:52*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*07/13/23 10:59*	*07/14/23 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*07/13/23 10:59*	*07/14/23 18:52*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*07/13/23 10:59*	*07/14/23 18:52*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Acetophenone	ND		700	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Anthracene	ND		70	18	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Atrazine	ND		700	150	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Carbazole	ND		70	16	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Chrysene	ND		70	39	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1
Date Collected: 07/11/23 14:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Fluorene	ND		70	14	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Isophorone	ND		340	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Naphthalene	ND		70	14	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Phenol	ND		340	110	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
Pyrene	ND		70	16	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*07/13/23 08:23*	*07/14/23 12:36*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/13/23 08:23*	*07/14/23 12:36*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:23*	*07/14/23 12:36*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*07/13/23 08:23*	*07/14/23 12:36*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/13/23 08:23*	*07/14/23 12:36*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*07/13/23 08:23*	*07/14/23 12:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1248	ND		18	4.2	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1
Date Collected: 07/11/23 14:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.2	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:34	07/13/23 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:34*	*07/13/23 16:30*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/12/23 16:34*	*07/13/23 16:30*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 16:30*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 16:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		17	4.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Antimony	ND		0.86	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Arsenic	**7.8**		0.86	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Barium	**39**		17	3.1	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Beryllium	**0.42**		0.34	0.093	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Cadmium	**0.56**		0.43	0.063	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Calcium	**950**		430	55	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Chromium	**10**		0.43	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Cobalt	**6.9**		4.3	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Copper	**23**		2.1	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Iron	**18000**		8.6	8.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Lead	**10**		0.86	0.75	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Magnesium	**2300**		430	47	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Manganese	**530**		1.3	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Nickel	**18**		3.4	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Potassium	**690**		430	73	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Selenium	ND		0.86	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Silver	ND		0.43	0.089	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Sodium	ND		430	44	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Vanadium	**14**		4.3	0.68	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1
Zinc	**53**		1.7	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:06	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.034	0.022	mg/Kg	☼	07/13/23 09:00	07/14/23 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.9**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**94.1**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Chlorodibromomethane	**5.1**	**J**	5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Dichlorobromomethane	**5.5**		5.4	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/13/23 10:59	07/14/23 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*07/13/23 10:59*	*07/14/23 19:14*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/13/23 10:59*	*07/14/23 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*07/13/23 10:59*	*07/14/23 19:14*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/13/23 10:59*	*07/14/23 19:14*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	20	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Acenaphthylene	ND		72	16	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Acetophenone	ND		720	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Anthracene	ND		72	18	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Atrazine	ND		720	160	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Benzaldehyde	ND		720	44	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Carbazole	ND		72	17	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Chrysene	ND		72	39	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Fluoranthene	ND		72	19	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Fluorene	ND		72	14	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Hexachloroethane	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Indeno[1,2,3-cd]pyrene	ND		72	35	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Isophorone	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Naphthalene	ND		72	14	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Phenanthrene	ND		72	19	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Phenol	ND		350	110	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
Pyrene	**20**	**J**	72	17	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*07/13/23 08:23*	*07/14/23 12:57*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/13/23 08:23*	*07/14/23 12:57*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*07/13/23 08:23*	*07/14/23 12:57*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*07/13/23 08:23*	*07/14/23 12:57*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*07/13/23 08:23*	*07/14/23 12:57*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*07/13/23 08:23*	*07/14/23 12:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:34	07/13/23 16:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S24
Lab Sample ID: 180-159066-2
Date Collected: 07/11/23 14:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/12/23 16:34*	*07/13/23 16:47*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/12/23 16:34*	*07/13/23 16:47*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 16:47*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/12/23 16:34*	*07/13/23 16:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		18	4.4	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Antimony	ND		0.88	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Arsenic	**7.8**		0.88	0.55	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Barium	**48**		18	3.1	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Beryllium	**0.48**		0.35	0.095	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Cadmium	**0.71**		0.44	0.064	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Calcium	**16000**		440	57	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Chromium	**13**		0.44	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Cobalt	**9.6**		4.4	0.62	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Copper	**26**		2.2	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Iron	**21000**		8.8	8.5	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Lead	**12**		0.88	0.76	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Magnesium	**4500**		440	48	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Manganese	**450**		1.3	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Nickel	**20**		3.5	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Potassium	**630**		440	74	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Selenium	ND		0.88	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Silver	ND		0.44	0.091	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Sodium	**48**	**J**	440	45	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Thallium	ND		1.8	0.25	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Vanadium	**18**		4.4	0.69	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1
Zinc	**64**		1.8	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.034	0.022	mg/Kg	☼	07/13/23 09:00	07/14/23 08:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.3**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**90.7**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3
Date Collected: 07/11/23 14:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3
Date Collected: 07/11/23 14:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/13/23 10:59	07/14/23 19:37	1

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3

Date Collected: 07/11/23 14:40
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 92.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*07/13/23 10:59*	*07/14/23 19:37*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/13/23 10:59*	*07/14/23 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*07/13/23 10:59*	*07/14/23 19:37*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*07/13/23 10:59*	*07/14/23 19:37*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Acetophenone	ND		730	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Anthracene	ND		73	19	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Atrazine	ND		730	160	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Caprolactam	ND		1800	240	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Carbazole	ND		73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Chrysene	ND		73	40	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Dibenz(a,h)anthracene	ND		73	46	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Fluorene	ND		73	14	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3
Date Collected: 07/11/23 14:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Naphthalene	ND		73	14	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Phenanthrene	ND		73	19	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
Pyrene	ND		73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*44 - 105*	*07/13/23 08:23*	*07/14/23 13:19*	*1*
2-Fluorophenol (Surr)	*92*		*48 - 105*	*07/13/23 08:23*	*07/14/23 13:19*	*1*
Nitrobenzene-d5 (Surr)	*107*	*S1+*	*46 - 105*	*07/13/23 08:23*	*07/14/23 13:19*	*1*
Phenol-d5 (Surr)	*95*		*46 - 105*	*07/13/23 08:23*	*07/14/23 13:19*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 105*	*07/13/23 08:23*	*07/14/23 13:19*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*	*07/13/23 08:23*	*07/14/23 13:19*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:34	07/13/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:05*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:05*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:05*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S25
Lab Sample ID: 180-159066-3

Date Collected: 07/11/23 14:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 92.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:05*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		94	23	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Antimony	ND		4.7	1.4	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Arsenic	**11**		4.7	2.9	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Barium	**160**		94	17	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Beryllium	**0.55**	**J**	1.9	0.51	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Cadmium	**0.98**	**J**	2.3	0.34	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Calcium	**5400**		2300	300	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Chromium	**12**		2.3	2.1	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Cobalt	**7.0**		4.7	0.66	mg/Kg	☼	07/13/23 07:15	07/14/23 11:16	1
Copper	**21**		12	7.1	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Iron	**33000**		47	46	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Lead	**9.6**		0.94	0.81	mg/Kg	☼	07/13/23 07:15	07/14/23 11:16	1
Magnesium	**4600**		2300	260	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Manganese	**3100**		7.0	1.3	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Nickel	**21**		3.7	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 11:16	1
Potassium	**680**	**J**	2300	400	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Selenium	ND		4.7	2.2	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Silver	ND		2.3	0.49	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Sodium	ND		2300	240	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 11:16	1
Vanadium	**14**	**J**	23	3.7	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5
Zinc	**59**		9.4	6.8	mg/Kg	☼	07/13/23 07:15	07/17/23 18:36	5

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.032	0.020	mg/Kg	☼	07/13/23 09:00	07/14/23 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.8**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**92.2**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B7
Lab Sample ID: 180-159066-4

Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Carbon disulfide	ND		5.6	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B7
Lab Sample ID: 180-159066-4
Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Chloroethane	ND		5.6	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
trans-1,2-Dichloroethene	ND		5.6	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Trichloroethene	ND		5.6	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*07/13/23 10:59*	*07/14/23 20:00*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/13/23 10:59*	*07/14/23 20:00*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B7
Lab Sample ID: 180-159066-4
Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*07/13/23 10:59*	*07/14/23 20:00*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*07/13/23 10:59*	*07/14/23 20:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Acenaphthylene	ND		78	17	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Acetophenone	ND		780	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Anthracene	ND		78	20	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Atrazine	ND		780	170	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Benzaldehyde	ND		780	48	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Carbazole	ND		78	18	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Chrysene	ND		78	43	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Fluoranthene	ND		78	21	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Fluorene	ND		78	15	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B7
Lab Sample ID: 180-159066-4
Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Naphthalene	ND		78	15	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Phenanthrene	ND		78	21	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
Pyrene	ND		78	18	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/13/23 08:23*	*07/14/23 13:40*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/13/23 08:23*	*07/14/23 13:40*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*07/13/23 08:23*	*07/14/23 13:40*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*07/13/23 08:23*	*07/14/23 13:40*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/13/23 08:23*	*07/14/23 13:40*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/13/23 08:23*	*07/14/23 13:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1221	ND		20	6.9	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1
PCB-1268	ND		20	2.6	ug/Kg	☼	07/12/23 16:34	07/13/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:23*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:23*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:23*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:23*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B7

Lab Sample ID: 180-159066-4
Date Collected: 07/11/23 14:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.4

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		20	5.0	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Antimony	ND		1.0	0.30	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Arsenic	**6.2**		1.0	0.63	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Barium	**41**		20	3.6	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Beryllium	**0.30**	**J**	0.40	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Cadmium	**0.48**	**J**	0.50	0.074	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Calcium	**1400**		500	65	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Chromium	**9.5**		0.50	0.46	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Cobalt	**6.3**		5.0	0.71	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Copper	**22**		2.5	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Iron	**16000**		10	9.8	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Lead	**7.8**		1.0	0.87	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Magnesium	**2200**		500	55	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Manganese	**360**		1.5	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Nickel	**14**		4.0	0.51	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Potassium	**730**		500	85	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Selenium	ND		1.0	0.46	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Sodium	ND		500	51	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Thallium	ND		2.0	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Vanadium	**13**		5.0	0.79	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1
Zinc	**51**		2.0	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 11:31	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	07/13/23 09:00	07/14/23 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.6**		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	**84.4**		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B8

Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Chlorodibromomethane	**3.4**	**J**	5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Chloroethane	ND		5.2	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Dichlorobromomethane	**3.6**	**J**	5.2	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,4-Dioxane	ND		1000	80	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
trans-1,3-Dichloropropene	ND		5.2	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,1,1-Trichloroethane	ND		5.2	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Trichlorofluoromethane	ND		5.2	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1
Xylenes, Total	ND		10	7.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*	*07/13/23 10:59*	*07/14/23 20:22*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*07/13/23 10:59*	*07/14/23 20:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*07/13/23 10:59*	*07/14/23 20:22*	*1*
Toluene-d8 (Surr)	*120*		*67 - 134*	*07/13/23 10:59*	*07/14/23 20:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Acenaphthylene	ND		72	16	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Acetophenone	ND		720	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Anthracene	ND		72	19	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Atrazine	ND		720	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Benzaldehyde	ND		720	44	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Carbazole	ND		72	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Chrysene	ND		72	40	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Fluoranthene	ND		72	19	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Fluorene	ND		72	14	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Hexachloroethane	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Isophorone	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5

Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Naphthalene	ND		72	14	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Phenanthrene	ND		72	19	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Phenol	ND		350	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
Pyrene	ND		72	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*07/13/23 08:23*	*07/14/23 14:02*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*07/13/23 08:23*	*07/14/23 14:02*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/13/23 08:23*	*07/14/23 14:02*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*07/13/23 08:23*	*07/14/23 14:02*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*07/13/23 08:23*	*07/14/23 14:02*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*07/13/23 08:23*	*07/14/23 14:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:34	07/13/23 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:40*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:40*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:40*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:40*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		14	3.6	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Antimony	ND		0.72	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.0		0.72	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Barium	48		14	2.5	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Beryllium	0.32		0.29	0.078	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Cadmium	0.56		0.36	0.052	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Calcium	1200		360	46	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Chromium	8.2		0.36	0.33	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Cobalt	9.1		3.6	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Copper	19		1.8	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Iron	16000		7.2	7.0	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Lead	14		0.72	0.62	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Magnesium	2000		360	39	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Manganese	720		1.1	0.20	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Nickel	17		2.9	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Potassium	500		360	61	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Selenium	0.38	J	0.72	0.33	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Silver	ND		0.36	0.074	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Sodium	ND		360	37	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Thallium	ND		1.4	0.20	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Vanadium	12		3.6	0.57	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1
Zinc	53		1.4	1.0	mg/Kg	☼	07/13/23 07:15	07/14/23 11:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.023	mg/Kg	☼	07/13/23 09:00	07/14/23 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.2		0.1	0.1	%			07/12/23 12:50	1
Percent Solids (SM22 2540G)	90.8		0.1	0.1	%			07/12/23 12:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6
Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 78.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Benzene	ND		6.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Bromoform	ND		6.1	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Bromomethane	ND		6.1	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Carbon disulfide	ND		6.1	4.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Carbon tetrachloride	ND		6.1	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Chlorobenzene	ND		6.1	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Chlorobromomethane	ND		6.1	3.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Chlorodibromomethane	5.2	J	6.1	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Chloroethane	ND		6.1	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Chloroform	ND		6.1	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Chloromethane	ND		6.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
cis-1,2-Dichloroethene	ND		6.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6
Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 78.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Cyclohexane	ND		6.1	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2-Dibromo-3-Chloropropane	ND		6.1	3.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2-Dibromoethane	ND		6.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2-Dichlorobenzene	ND		6.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,3-Dichlorobenzene	ND		6.1	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,4-Dichlorobenzene	ND		6.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Dichlorobromomethane	**4.7**	**J**	6.1	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Dichlorodifluoromethane	ND		6.1	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,1-Dichloroethane	ND		6.1	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2-Dichloroethane	ND		6.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,1-Dichloroethene	ND		6.1	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2-Dichloroethene, Total	ND		12	5.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2-Dichloropropane	ND		6.1	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,4-Dioxane	ND		1200	92	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Ethylbenzene	ND		6.1	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Isopropylbenzene	ND		6.1	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Methyl acetate	ND		30	8.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Methylcyclohexane	ND		6.1	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Methylene Chloride	ND		6.1	5.5	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Methyl tert-butyl ether	ND		6.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
m-Xylene & p-Xylene	ND		6.1	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
o-Xylene	ND		6.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Styrene	ND		6.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,1,2,2-Tetrachloroethane	ND		6.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Tetrachloroethene	ND		6.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Toluene	ND		6.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
trans-1,2-Dichloroethene	ND		6.1	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
trans-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,2,4-Trichlorobenzene	ND		6.1	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,1,1-Trichloroethane	ND		6.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,1,2-Trichloroethane	ND		6.1	1.2	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Trichloroethene	ND		6.1	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Trichlorofluoromethane	ND		6.1	5.0	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Vinyl chloride	ND		6.1	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1
Xylenes, Total	ND		12	8.8	ug/Kg	☼	07/13/23 10:59	07/14/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*60 - 124*	*07/13/23 10:59*	*07/14/23 20:45*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*07/13/23 10:59*	*07/14/23 20:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*07/13/23 10:59*	*07/14/23 20:45*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*07/13/23 10:59*	*07/14/23 20:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6
Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 78.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**740**		84	18	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Acetophenone	ND		840	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Anthracene	**360**		84	22	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Atrazine	ND		840	180	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Benzaldehyde	ND		840	52	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Benzo[a]anthracene	**1200**		84	38	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Benzo[a]pyrene	**1100**		84	36	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Benzo[b]fluoranthene	**1300**		84	21	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Benzo[g,h,i]perylene	**1000**		84	18	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Benzo[k]fluoranthene	**630**		84	25	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
1,1'-Biphenyl	ND		420	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Bis(2-chloroethoxy)methane	ND		420	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Bis(2-ethylhexyl) phthalate	ND		4200	450	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4-Bromophenyl phenyl ether	ND		420	180	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Butyl benzyl phthalate	ND		420	290	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Carbazole	**72**	**J**	84	20	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4-Chloroaniline	ND		420	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4-Chloro-3-methylphenol	ND		420	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2-Chlorophenol	ND		420	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4-Chlorophenyl phenyl ether	ND		420	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Chrysene	**1500**		84	47	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Dibenz(a,h)anthracene	**280**		84	54	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Dibenzofuran	ND		420	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
3,3'-Dichlorobenzidine	ND		420	390	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Diethyl phthalate	ND		420	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,4-Dimethylphenol	ND		420	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Dimethyl phthalate	ND		420	170	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Di-n-butyl phthalate	ND		420	180	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,4-Dinitrophenol	ND		4200	2600	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,4-Dinitrotoluene	ND		420	250	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,6-Dinitrotoluene	ND		420	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Di-n-octyl phthalate	ND		420	240	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Fluoranthene	**1900**		84	22	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Fluorene	**72**	**J**	84	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Hexachlorobutadiene	ND		84	25	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Hexachlorocyclopentadiene	ND		420	43	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Hexachloroethane	ND		420	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Indeno[1,2,3-cd]pyrene	**830**		84	42	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Isophorone	ND		420	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2-Methylnaphthalene	**310**		84	20	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2-Methylphenol	ND		420	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Methylphenol, 3 & 4	ND		420	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6
Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 78.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**270**		84	16	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Nitrobenzene	ND		840	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2-Nitrophenol	ND		420	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
N-Nitrosodiphenylamine	ND		420	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Pentachlorophenol	ND		2100	680	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Phenanthrene	**1100**		84	23	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Phenol	ND		420	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
Pyrene	**2000**		84	20	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
1,2,4,5-Tetrachlorobenzene	ND		420	170	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,3,4,6-Tetrachlorophenol	ND		420	180	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,4,5-Trichlorophenol	ND		420	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1
2,4,6-Trichlorophenol	ND		420	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*07/13/23 08:23*	*07/14/23 14:24*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*07/13/23 08:23*	*07/14/23 14:24*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*07/13/23 08:23*	*07/14/23 14:24*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*07/13/23 08:23*	*07/14/23 14:24*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*07/13/23 08:23*	*07/14/23 14:24*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*34 - 108*	*07/13/23 08:23*	*07/14/23 14:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1221	ND		21	7.3	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1232	ND		21	5.1	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1242	ND		21	3.0	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1248	ND		21	5.0	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1254	**25**		21	6.2	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1260	**19**	**J**	21	5.9	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1262	ND		21	7.3	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1
PCB-1268	ND		21	2.8	ug/Kg	☼	07/12/23 16:34	07/13/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*63 - 138*	*07/12/23 16:34*	*07/13/23 17:58*	*1*
DCB Decachlorobiphenyl (Surr)	*62*	*S1-*	*63 - 138*	*07/12/23 16:34*	*07/13/23 17:58*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:58*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*07/12/23 16:34*	*07/13/23 17:58*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6100**		19	4.8	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Antimony	**0.45**	**J**	0.96	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Arsenic	**14**		0.96	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S26
Lab Sample ID: 180-159066-6

Date Collected: 07/11/23 15:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 78.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	170		19	3.4	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Beryllium	0.47		0.38	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Cadmium	1.3		0.48	0.071	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Calcium	12000		480	62	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Chromium	17		0.48	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Cobalt	6.9		4.8	0.68	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Copper	99		2.4	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Iron	21000		9.6	9.4	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Lead	180		0.96	0.84	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Magnesium	2100		480	53	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Manganese	280		1.4	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Nickel	30		3.8	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Potassium	500		480	82	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Selenium	1.1		0.96	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Sodium	78	J	480	49	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Vanadium	18		4.8	0.76	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1
Zinc	130		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 11:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34		0.037	0.024	mg/Kg	☼	07/13/23 09:00	07/14/23 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	21.2		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	78.8		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7

Date Collected: 07/11/23 15:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Chlorodibromomethane	4.1	J	5.1	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7

Date Collected: 07/11/23 15:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Dichlorobromomethane	**3.8**	**J**	5.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/13/23 10:59*	*07/14/23 21:08*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/13/23 10:59*	*07/14/23 21:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*07/13/23 10:59*	*07/14/23 21:08*	*1*
Toluene-d8 (Surr)	*120*		*67 - 134*	*07/13/23 10:59*	*07/14/23 21:08*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Acenaphthylene	**330**		73	16	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7
Date Collected: 07/11/23 15:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		730	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Anthracene	**150**		73	19	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Atrazine	ND		730	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Benzo[a]anthracene	**560**		73	33	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Benzo[a]pyrene	**570**		73	32	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Benzo[b]fluoranthene	**660**		73	18	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Benzo[g,h,i]perylene	**570**		73	16	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Benzo[k]fluoranthene	**260**		73	22	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Carbazole	**24**	**J**	73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Chrysene	**670**		73	40	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Dibenz(a,h)anthracene	**130**		73	47	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Fluoranthene	**740**		73	19	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Fluorene	**30**	**J**	73	14	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Indeno[1,2,3-cd]pyrene	**430**		73	36	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2-Methylnaphthalene	**61**	**J**	73	18	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Naphthalene	**91**		73	14	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7

Date Collected: 07/11/23 15:35
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 90.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Phenanthrene	**260**		73	20	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
Pyrene	**840**		73	17	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/13/23 08:23*	*07/14/23 14:45*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/13/23 08:23*	*07/14/23 14:45*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:23*	*07/14/23 14:45*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/13/23 08:23*	*07/14/23 14:45*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*07/13/23 08:23*	*07/14/23 14:45*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/13/23 08:23*	*07/14/23 14:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1254	**19**		18	5.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1260	ND		18	5.3	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*07/12/23 16:34*	*07/13/23 18:16*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*63 - 138*	*07/12/23 16:34*	*07/13/23 18:16*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*07/12/23 16:34*	*07/13/23 18:16*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/12/23 16:34*	*07/13/23 18:16*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8000**		17	4.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Antimony	ND		0.84	0.25	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Arsenic	**8.7**		0.84	0.53	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Barium	**74**		17	3.0	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1

Client Sample ID: SSHS-ISMP-NAF-UT-S27
Lab Sample ID: 180-159066-7

Date Collected: 07/11/23 15:35
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.40**		0.34	0.092	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Cadmium	**0.78**		0.42	0.062	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Calcium	**11000**		420	54	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Chromium	**12**		0.42	0.38	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Cobalt	**7.7**		4.2	0.59	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Copper	**39**		2.1	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Iron	**18000**		8.4	8.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Lead	**47**		0.84	0.73	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Magnesium	**2800**		420	46	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Manganese	**390**		1.3	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Nickel	**23**		3.4	0.42	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Potassium	**570**		420	72	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Selenium	ND		0.84	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Silver	ND		0.42	0.087	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Sodium	**45**	**J**	420	43	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Vanadium	**16**		4.2	0.66	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1
Zinc	**76**		1.7	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.033	0.021	mg/Kg	☼	07/13/23 09:00	07/14/23 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.8**		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	**90.2**		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Chlorodibromomethane	**4.9**	**J**	5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Dichlorobromomethane	**4.4**	**J**	5.4	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*	*07/13/23 10:59*	*07/14/23 21:30*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/13/23 10:59*	*07/14/23 21:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*07/13/23 10:59*	*07/14/23 21:30*	*1*
Toluene-d8 (Surr)	*125*		*67 - 134*	*07/13/23 10:59*	*07/14/23 21:30*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Acenaphthylene	**610**		74	16	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Acetophenone	ND		740	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**270**		74	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Atrazine	ND		740	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Benzo[a]anthracene	**790**		74	33	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Benzo[a]pyrene	**820**		74	32	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Benzo[b]fluoranthene	**940**		74	18	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Benzo[g,h,i]perylene	**810**		74	16	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Benzo[k]fluoranthene	**390**		74	22	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Carbazole	**46**	**J**	74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Chrysene	**1100**		74	41	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Dibenz(a,h)anthracene	**210**		74	47	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Fluoranthene	**1100**		74	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Fluorene	**46**	**J**	74	14	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Indeno[1,2,3-cd]pyrene	**630**		74	37	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2-Methylnaphthalene	**200**		74	18	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Naphthalene	**220**		74	14	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Date Collected: 07/11/23 00:00
Date Received: 07/12/23 09:46

Lab Sample ID: 180-159066-8
Matrix: Solid
Percent Solids: 90.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Phenanthrene	**410**		74	20	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
Pyrene	**1300**		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/13/23 08:23*	*07/14/23 15:07*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/13/23 08:23*	*07/14/23 15:07*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*07/13/23 08:23*	*07/14/23 15:07*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:23*	*07/14/23 15:07*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/13/23 08:23*	*07/14/23 15:07*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*	*07/13/23 08:23*	*07/14/23 15:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:34	07/13/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/12/23 16:34*	*07/13/23 18:33*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/12/23 16:34*	*07/13/23 18:33*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 18:33*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/12/23 16:34*	*07/13/23 18:33*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		17	4.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Antimony	ND		0.85	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Arsenic	**9.9**		0.85	0.53	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Barium	**110**		17	3.0	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Beryllium	**0.41**		0.34	0.093	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1

Client Sample ID: SSHS-ISMP-NAF-DUP11A
Lab Sample ID: 180-159066-8
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.88		0.43	0.062	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Calcium	13000		430	55	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Chromium	13		0.43	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Cobalt	6.8		4.3	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Copper	56		2.1	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Iron	18000		8.5	8.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Lead	85		0.85	0.74	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Magnesium	3100		430	47	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Manganese	330		1.3	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Nickel	25		3.4	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Potassium	510		430	72	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Selenium	0.60	J	0.85	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Silver	ND		0.43	0.088	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Sodium	65	J	430	44	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Vanadium	15		4.3	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1
Zinc	95		1.7	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.035	0.023	mg/Kg	☼	07/13/23 09:00	07/14/23 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.5		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	90.5		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9
Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9
Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/13/23 10:59	07/15/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*07/13/23 10:59*	*07/15/23 19:09*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*07/13/23 10:59*	*07/15/23 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/13/23 10:59*	*07/15/23 19:09*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/13/23 10:59*	*07/15/23 19:09*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Acetophenone	ND		740	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Anthracene	ND		74	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9
Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		740	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Carbazole	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Chrysene	ND		74	41	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Fluoranthene	ND		74	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Fluorene	ND		74	14	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Naphthalene	ND		74	14	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9
Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
Pyrene	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/13/23 08:23*	*07/14/23 15:29*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/13/23 08:23*	*07/14/23 15:29*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*07/13/23 08:23*	*07/14/23 15:29*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:23*	*07/14/23 15:29*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*07/13/23 08:23*	*07/14/23 15:29*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/13/23 08:23*	*07/14/23 15:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/12/23 16:34	07/13/23 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/12/23 16:34*	*07/13/23 18:51*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:34*	*07/13/23 18:51*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/12/23 16:34*	*07/13/23 18:51*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/12/23 16:34*	*07/13/23 18:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		17	4.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Antimony	ND		0.84	0.25	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Arsenic	**7.4**		0.84	0.53	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Barium	**41**		17	3.0	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Beryllium	**0.44**		0.34	0.091	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Cadmium	**0.70**		0.42	0.062	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9

Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	10000		420	54	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Chromium	12		0.42	0.38	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Cobalt	9.2		4.2	0.59	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Copper	22		2.1	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Iron	20000		8.4	8.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Lead	11		0.84	0.73	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Magnesium	3400		420	46	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Manganese	480		1.3	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Nickel	21		3.4	0.42	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Potassium	610		420	71	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Selenium	ND		0.84	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Silver	ND		0.42	0.087	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Sodium	ND		420	43	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Vanadium	18		4.2	0.66	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1
Zinc	59		1.7	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 11:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	07/13/23 09:00	07/14/23 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.0		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	89.0		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10

Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10
Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/13/23 10:59	07/14/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*07/13/23 10:59*	*07/14/23 15:28*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*07/13/23 10:59*	*07/14/23 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*	*07/13/23 10:59*	*07/14/23 15:28*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*07/13/23 10:59*	*07/14/23 15:28*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Acetophenone	ND		750	130	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Anthracene	ND		75	19	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Atrazine	ND	F1	750	160	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10
Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND	F1	750	47	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Carbazole	ND		75	18	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Chrysene	ND		75	42	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Fluorene	ND		75	15	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Hexachlorocyclopentadiene	ND	F1	370	38	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Naphthalene	ND		75	15	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10
Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		750	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
Pyrene	ND		75	18	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/13/23 08:23	07/14/23 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/13/23 08:23*	*07/14/23 11:31*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*07/13/23 08:23*	*07/14/23 11:31*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*07/13/23 08:23*	*07/14/23 11:31*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*07/13/23 08:23*	*07/14/23 11:31*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*07/13/23 08:23*	*07/14/23 11:31*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/13/23 08:23*	*07/14/23 11:31*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	18	6.0	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1260	ND	F2 F1	18	5.3	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:34	07/13/23 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/12/23 16:34*	*07/13/23 15:36*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/12/23 16:34*	*07/13/23 15:36*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/12/23 16:34*	*07/13/23 15:36*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/12/23 16:34*	*07/13/23 15:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9400**		16	3.9	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Antimony	ND	F1	0.79	0.24	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Arsenic	**6.7**		0.79	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Barium	**36**		16	2.8	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Beryllium	**0.44**		0.32	0.086	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Cadmium	**0.53**		0.40	0.058	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Calcium	**3100**	**F2 F1**	400	51	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Lab Sample ID: 180-159066-10

Date Collected: 07/11/23 15:45
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11		0.40	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Cobalt	7.2		4.0	0.56	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Copper	18		2.0	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Iron	17000		7.9	7.7	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Lead	8.7		0.79	0.69	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Magnesium	2400		400	43	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Manganese	300		1.2	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Nickel	17		3.2	0.40	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Potassium	650		400	67	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Selenium	ND		0.79	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Silver	ND		0.40	0.082	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Sodium	ND		400	41	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Thallium	ND		1.6	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Vanadium	17		4.0	0.63	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1
Zinc	45	F1	1.6	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 10:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030	J	0.034	0.022	mg/Kg	☼	07/13/23 09:00	07/14/23 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.0		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	89.0		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11

Date Collected: 07/11/23 15:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Chlorodibromomethane	2.8	J	5.7	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11

Date Collected: 07/11/23 15:50
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Dichlorobromomethane	**3.0**	**J**	5.7	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/13/23 10:59	07/14/23 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*07/13/23 10:59*	*07/14/23 21:53*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/13/23 10:59*	*07/14/23 21:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/13/23 10:59*	*07/14/23 21:53*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/13/23 10:59*	*07/14/23 21:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Acetophenone	ND		790	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Anthracene	ND		79	20	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Atrazine	ND		790	170	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11
Date Collected: 07/11/23 15:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Carbazole	ND		79	18	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Chrysene	ND		79	44	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Fluoranthene	ND		79	21	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Fluorene	ND		79	15	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Naphthalene	ND		79	15	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11

Date Collected: 07/11/23 15:50
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
Pyrene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/13/23 08:23*	*07/14/23 15:50*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*07/13/23 08:23*	*07/14/23 15:50*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*07/13/23 08:23*	*07/14/23 15:50*	*1*
Phenol-d5 (Surr)	*85*		*46 - 105*	*07/13/23 08:23*	*07/14/23 15:50*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/13/23 08:23*	*07/14/23 15:50*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*07/13/23 08:23*	*07/14/23 15:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/12/23 16:34	07/13/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:34*	*07/13/23 19:09*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/12/23 16:34*	*07/13/23 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 19:09*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/12/23 16:34*	*07/13/23 19:09*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.8	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Antimony	ND		0.97	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Arsenic	**4.7**		0.97	0.61	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Barium	**61**		19	3.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Beryllium	**0.47**		0.39	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Cadmium	**0.50**		0.48	0.071	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Calcium	**1500**		480	63	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Chromium	**13**		0.48	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-S30
Lab Sample ID: 180-159066-11

Date Collected: 07/11/23 15:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 82.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	5.8		4.8	0.68	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Copper	12		2.4	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Iron	16000		9.7	9.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Lead	8.2		0.97	0.84	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Magnesium	2100		480	53	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Manganese	190		1.5	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Nickel	14		3.9	0.49	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Potassium	650		480	82	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Selenium	0.70	J	0.97	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Sodium	ND		480	50	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Vanadium	19		4.8	0.77	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1
Zinc	53		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:01	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.038	0.024	mg/Kg	☼	07/13/23 09:00	07/14/23 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.0		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	82.0		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12

Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
cis-1,2-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12
Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*07/13/23 10:59*	*07/14/23 22:16*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*07/13/23 10:59*	*07/14/23 22:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*07/13/23 10:59*	*07/14/23 22:16*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/13/23 10:59*	*07/14/23 22:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Acetophenone	ND		760	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Anthracene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Atrazine	ND		760	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12
Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Carbazole	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Chrysene	ND		76	42	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Fluoranthene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Fluorene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Naphthalene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12

Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Phenanthrene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
Pyrene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/13/23 08:23*	*07/14/23 16:12*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*07/13/23 08:23*	*07/14/23 16:12*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*07/13/23 08:23*	*07/14/23 16:12*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:23*	*07/14/23 16:12*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/13/23 08:23*	*07/14/23 16:12*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*07/13/23 08:23*	*07/14/23 16:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/12/23 16:34	07/13/23 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/12/23 16:34*	*07/13/23 20:02*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*63 - 138*	*07/12/23 16:34*	*07/13/23 20:02*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/12/23 16:34*	*07/13/23 20:02*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/12/23 16:34*	*07/13/23 20:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		15	3.9	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Antimony	ND		0.77	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Arsenic	**8.0**		0.77	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Barium	**37**		15	2.7	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Beryllium	**0.50**		0.31	0.084	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Cadmium	**0.67**		0.39	0.057	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Calcium	**850**		390	50	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Chromium	**14**		0.39	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Cobalt	**9.1**		3.9	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1

Client Sample ID: SSHS-ISMP-NAF-UT-S31
Lab Sample ID: 180-159066-12

Date Collected: 07/11/23 15:55
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	19		1.9	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Iron	20000		7.7	7.5	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Lead	9.7		0.77	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Magnesium	2800		390	42	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Manganese	240		1.2	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Nickel	18		3.1	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Potassium	640		390	66	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Selenium	0.38	J	0.77	0.36	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Silver	ND		0.39	0.080	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Sodium	ND		390	40	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Thallium	ND		1.5	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Vanadium	20		3.9	0.61	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1
Zinc	55		1.5	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 12:06	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/13/23 09:00	07/14/23 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.5		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	87.5		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13

Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Benzene	ND		5.8	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Carbon tetrachloride	ND		5.8	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Chlorodibromomethane	4.0	J	5.8	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
cis-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Cyclohexane	ND		5.8	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,3-Dichlorobenzene	ND		5.8	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13
Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	**4.0**	**J**	5.8	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,1-Dichloroethane	ND		5.8	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,4-Dioxane	ND		1200	87	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
m-Xylene & p-Xylene	ND		5.8	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Styrene	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Toluene	ND		5.8	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Vinyl chloride	ND		5.8	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	07/13/23 10:59	07/14/23 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*07/13/23 10:59*	*07/14/23 22:38*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*07/13/23 10:59*	*07/14/23 22:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*07/13/23 10:59*	*07/14/23 22:38*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/13/23 10:59*	*07/14/23 22:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Acetophenone	ND		790	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Anthracene	ND		79	20	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Atrazine	ND		790	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13
Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Carbazole	ND		79	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Chrysene	ND		79	44	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Fluoranthene	ND		79	21	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Fluorene	ND		79	15	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Naphthalene	ND		79	15	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13

Date Collected: 07/11/23 16:00
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 84.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
Pyrene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/13/23 08:23*	*07/14/23 16:34*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/13/23 08:23*	*07/14/23 16:34*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*07/13/23 08:23*	*07/14/23 16:34*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*07/13/23 08:23*	*07/14/23 16:34*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/13/23 08:23*	*07/14/23 16:34*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*07/13/23 08:23*	*07/14/23 16:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1
PCB-1268	ND		20	2.6	ug/Kg	☼	07/12/23 16:34	07/13/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/12/23 16:34*	*07/13/23 20:20*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*	*07/12/23 16:34*	*07/13/23 20:20*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*07/12/23 16:34*	*07/13/23 20:20*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/12/23 16:34*	*07/13/23 20:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		13	3.1	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Antimony	ND		0.63	0.19	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Arsenic	**6.2**		0.63	0.39	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Barium	**63**		13	2.2	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Beryllium	**0.37**		0.25	0.068	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Cadmium	**0.61**		0.31	0.046	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Calcium	**980**		310	41	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Chromium	**9.3**		0.31	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Cobalt	**8.5**		3.1	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Copper	**22**		1.6	0.95	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13

Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**16000**		6.3	6.1	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Lead	**14**		0.63	0.55	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Magnesium	**2000**		310	34	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Manganese	**800**		0.94	0.17	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Nickel	**19**		2.5	0.32	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Potassium	**550**		310	53	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Selenium	**0.37**	**J**	0.63	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Silver	ND		0.31	0.065	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Sodium	ND		310	32	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Thallium	ND		1.3	0.18	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Vanadium	**12**		3.1	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1
Zinc	**96**		1.3	0.91	mg/Kg	☼	07/13/23 07:15	07/14/23 12:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/13/23 09:00	07/14/23 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.3**		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	**84.7**		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14

Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Chlorodibromomethane	**4.0**	**J**	5.7	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Dichlorobromomethane	**4.2**	**J**	5.7	2.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14
Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.7	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2-Dichloroethane	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Toluene	ND		5.7	1.7	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2,3-Trichlorobenzene	ND		11	3.2	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Trichlorofluoromethane	ND		5.7	4.8	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1
Xylenes, Total	ND		11	8.3	ug/Kg	☼	07/13/23 10:59	07/14/23 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*07/13/23 10:59*	*07/14/23 23:01*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*07/13/23 10:59*	*07/14/23 23:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*	*07/13/23 10:59*	*07/14/23 23:01*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*07/13/23 10:59*	*07/14/23 23:01*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Acetophenone	ND		790	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Anthracene	ND		79	20	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Atrazine	ND		790	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Benzo[a]anthracene	ND		79	35	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14
Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Benzo[k]fluoranthene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Carbazole	ND		79	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Chrysene	ND		79	43	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Fluoranthene	ND		79	21	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Fluorene	ND		79	15	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Isophorone	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Naphthalene	ND		79	15	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
N-Nitrosodi-n-propylamine	ND		79	26	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14

Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Phenol	ND		390	120	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
Pyrene	ND		79	19	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/13/23 08:23	07/14/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/13/23 08:23*	*07/14/23 16:55*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/13/23 08:23*	*07/14/23 16:55*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*07/13/23 08:23*	*07/14/23 16:55*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*07/13/23 08:23*	*07/14/23 16:55*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/13/23 08:23*	*07/14/23 16:55*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*07/13/23 08:23*	*07/14/23 16:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1248	**16**	**J**	19	4.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1254	**27**		19	5.7	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1260	**31**		19	5.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*07/12/23 16:34*	*07/14/23 05:01*	*1*
DCB Decachlorobiphenyl (Surr)	*57*	*S1-*	*63 - 138*	*07/12/23 16:34*	*07/14/23 05:01*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:01*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		19	4.6	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Antimony	ND		0.93	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Arsenic	**5.8**		0.93	0.58	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Barium	**56**		19	3.3	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Beryllium	**0.26**	**J**	0.37	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Cadmium	**0.40**	**J**	0.47	0.068	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Calcium	**2000**		470	60	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Chromium	**7.2**		0.47	0.42	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Cobalt	**5.0**		4.7	0.65	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Copper	**14**		2.3	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Iron	**12000**		9.3	9.1	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S33
Lab Sample ID: 180-159066-14

Date Collected: 07/11/23 16:05
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 85.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.2**		0.93	0.81	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Magnesium	**1900**		470	51	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Manganese	**360**		1.4	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Nickel	**13**		3.7	0.47	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Potassium	**460**	**J**	470	79	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Sodium	ND		470	48	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Thallium	ND		1.9	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Vanadium	**9.8**		4.7	0.74	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1
Zinc	**38**		1.9	1.3	mg/Kg	☼	07/13/23 07:15	07/14/23 12:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/13/23 09:00	07/14/23 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.7**		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	**85.3**		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15

Date Collected: 07/11/23 16:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Benzene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Dichlorodifluoromethane	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15
Date Collected: 07/11/23 16:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Styrene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*07/13/23 10:59*	*07/15/23 11:16*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*07/13/23 10:59*	*07/15/23 11:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*	*07/13/23 10:59*	*07/15/23 11:16*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*07/13/23 10:59*	*07/15/23 11:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Acetophenone	ND		760	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Anthracene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Atrazine	ND		760	170	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15
Date Collected: 07/11/23 16:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Carbazole	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Chrysene	ND		76	42	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Fluoranthene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Fluorene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Naphthalene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15

Date Collected: 07/11/23 16:10
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 88.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Phenanthrene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
Pyrene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/13/23 08:23*	*07/14/23 17:17*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/13/23 08:23*	*07/14/23 17:17*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*07/13/23 08:23*	*07/14/23 17:17*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/13/23 08:23*	*07/14/23 17:17*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*07/13/23 08:23*	*07/14/23 17:17*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*07/13/23 08:23*	*07/14/23 17:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1248	ND		19	4.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*63 - 138*	*07/12/23 16:34*	*07/14/23 05:19*	*1*
DCB Decachlorobiphenyl (Surr)	*59*	*S1-*	*63 - 138*	*07/12/23 16:34*	*07/14/23 05:19*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:19*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:19*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		36	9.0	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Antimony	ND		1.8	0.55	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Arsenic	**11**		1.8	1.1	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Barium	**87**		36	6.4	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Beryllium	**0.43**	**J**	0.72	0.20	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Cadmium	**0.59**	**J**	0.90	0.13	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Calcium	**1400**		900	120	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Chromium	**8.9**		0.90	0.82	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Cobalt	**6.6**		4.5	0.63	mg/Kg	☼	07/13/23 07:15	07/14/23 12:32	1
Copper	**26**		4.5	2.7	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Iron	**20000**		18	18	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Lead	**11**		0.90	0.78	mg/Kg	☼	07/13/23 07:15	07/14/23 12:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-S34
Lab Sample ID: 180-159066-15
Date Collected: 07/11/23 16:10
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 88.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**2000**		900	99	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Manganese	**600**		2.7	0.50	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Nickel	**18**		3.6	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 12:32	1
Potassium	**660**	**J**	900	150	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Selenium	ND		1.8	0.83	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Silver	ND		0.90	0.19	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Sodium	ND		900	92	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Thallium	ND		1.8	0.26	mg/Kg	☼	07/13/23 07:15	07/14/23 12:32	1
Vanadium	**13**		9.0	1.4	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2
Zinc	**88**		3.6	2.6	mg/Kg	☼	07/13/23 07:15	07/17/23 18:41	2

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/13/23 09:00	07/14/23 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.8**		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	**88.2**		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16
Date Collected: 07/11/23 16:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16
Date Collected: 07/11/23 16:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/13/23 10:59	07/15/23 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*07/13/23 10:59*	*07/15/23 11:38*	*1*
Dibromofluoromethane (Surr)	*84*		*69 - 126*	*07/13/23 10:59*	*07/15/23 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*	*07/13/23 10:59*	*07/15/23 11:38*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*07/13/23 10:59*	*07/15/23 11:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Acetophenone	ND		740	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Anthracene	ND		74	19	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Atrazine	ND		740	160	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Benzaldehyde	ND		740	45	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16
Date Collected: 07/11/23 16:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Carbazole	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Chrysene	ND		74	41	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Fluoranthene	ND		74	19	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Fluorene	ND		74	14	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Indeno[1,2,3-cd]pyrene	ND		74	36	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Isophorone	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Naphthalene	ND		74	14	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16

Date Collected: 07/11/23 16:15
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 89.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Phenol	ND		360	110	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
Pyrene	ND		74	17	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/13/23 08:23	07/14/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/13/23 08:23*	*07/14/23 17:39*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*07/13/23 08:23*	*07/14/23 17:39*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*07/13/23 08:23*	*07/14/23 17:39*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*07/13/23 08:23*	*07/14/23 17:39*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*07/13/23 08:23*	*07/14/23 17:39*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*07/13/23 08:23*	*07/14/23 17:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1254	**15**	**J**	18	5.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1260	**8.0**	**J**	18	5.1	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/12/23 16:34*	*07/14/23 05:37*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*63 - 138*	*07/12/23 16:34*	*07/14/23 05:37*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:37*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:37*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7800**		15	3.8	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Antimony	ND		0.76	0.23	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Arsenic	**5.4**		0.76	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Barium	**44**		15	2.7	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Beryllium	**0.32**		0.30	0.083	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Cadmium	**0.56**		0.38	0.056	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Calcium	**37000**		380	49	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Chromium	**9.9**		0.38	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Cobalt	**6.8**		3.8	0.54	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Copper	**18**		1.9	1.2	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Iron	**14000**		7.6	7.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Lead	**9.5**		0.76	0.66	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Magnesium	**3400**		380	42	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1

Client Sample ID: SSHS-ISMP-NAF-UT-B9
Lab Sample ID: 180-159066-16
Date Collected: 07/11/23 16:15
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**350**		1.1	0.21	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Nickel	**16**		3.0	0.38	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Potassium	**560**		380	65	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Selenium	ND		0.76	0.35	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Silver	ND		0.38	0.079	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Sodium	**48**	**J**	380	39	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Thallium	ND		1.5	0.22	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Vanadium	**13**		3.8	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1
Zinc	**47**		1.5	1.1	mg/Kg	☼	07/13/23 07:15	07/14/23 12:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	07/13/23 09:00	07/14/23 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.2**		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	**89.8**		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17

Date Collected: 07/11/23 16:20
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 87.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*07/13/23 10:59*	*07/15/23 12:01*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*	*07/13/23 10:59*	*07/15/23 12:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*74*		*73 - 135*	*07/13/23 10:59*	*07/15/23 12:01*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*07/13/23 10:59*	*07/15/23 12:01*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Acetophenone	ND		760	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Anthracene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Atrazine	ND		760	170	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Carbazole	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Chrysene	ND		76	42	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Fluoranthene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Fluorene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Naphthalene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17

Date Collected: 07/11/23 16:20
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 87.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
Pyrene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/13/23 08:23*	*07/14/23 18:00*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*07/13/23 08:23*	*07/14/23 18:00*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*07/13/23 08:23*	*07/14/23 18:00*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*07/13/23 08:23*	*07/14/23 18:00*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*07/13/23 08:23*	*07/14/23 18:00*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/13/23 08:23*	*07/14/23 18:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1248	ND		19	4.4	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/12/23 16:34	07/14/23 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/12/23 16:34*	*07/14/23 05:54*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*07/12/23 16:34*	*07/14/23 05:54*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:54*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*07/12/23 16:34*	*07/14/23 05:54*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		19	4.8	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Antimony	ND		0.96	0.29	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Arsenic	**7.8**		0.96	0.60	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Barium	**45**		19	3.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Beryllium	**0.45**		0.38	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Cadmium	**0.63**		0.48	0.070	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Calcium	**3100**		480	62	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Chromium	**12**		0.48	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Cobalt	**9.0**		4.8	0.67	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Copper	**27**		2.4	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Iron	**19000**		9.6	9.3	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Lead	**11**		0.96	0.83	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Magnesium	**3200**		480	53	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Manganese	**410**		1.4	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	20		3.8	0.48	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Potassium	650		480	81	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Selenium	0.45	J	0.96	0.44	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Sodium	ND		480	49	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Vanadium	17		4.8	0.76	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1
Zinc	56		1.9	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/13/23 09:00	07/14/23 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.9		0.1	0.1	%			07/12/23 13:49	1
Percent Solids (SM22 2540G)	87.1		0.1	0.1	%			07/12/23 13:49	1

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/13/23 10:59	07/15/23 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*07/13/23 10:59*	*07/15/23 12:24*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*07/13/23 10:59*	*07/15/23 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*77*		*73 - 135*	*07/13/23 10:59*	*07/15/23 12:24*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*07/13/23 10:59*	*07/15/23 12:24*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Acenaphthylene	ND		76	16	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Acetophenone	ND		760	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Anthracene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Atrazine	ND		760	160	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Carbazole	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Chrysene	ND		76	42	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Fluoranthene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Fluorene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Isophorone	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Naphthalene	ND		76	15	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Phenanthrene	ND		76	20	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		370	110	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
Pyrene	ND		76	18	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/13/23 08:23	07/14/23 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*07/13/23 08:23*	*07/14/23 18:22*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*07/13/23 08:23*	*07/14/23 18:22*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/13/23 08:23*	*07/14/23 18:22*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*07/13/23 08:23*	*07/14/23 18:22*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/13/23 08:23*	*07/14/23 18:22*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*07/13/23 08:23*	*07/14/23 18:22*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/12/23 16:34	07/14/23 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*63 - 138*	*07/12/23 16:34*	*07/14/23 06:12*	*1*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*	*07/12/23 16:34*	*07/14/23 06:12*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*07/12/23 16:34*	*07/14/23 06:12*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/12/23 16:34*	*07/14/23 06:12*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		20	5.0	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Antimony	**0.37**	**J**	0.99	0.30	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Arsenic	**32**		0.99	0.62	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Barium	**82**		20	3.5	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Beryllium	**0.46**		0.40	0.11	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Cadmium	**0.68**		0.50	0.073	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Calcium	**7600**		500	64	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Chromium	**12**		0.50	0.45	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Cobalt	**8.7**		5.0	0.70	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Copper	**140**		2.5	1.5	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Iron	**19000**		9.9	9.7	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Lead	**190**		0.99	0.87	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Magnesium	**3100**		500	55	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Manganese	**530**		1.5	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Nickel	**19**		4.0	0.50	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-159066-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**730**		500	85	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Selenium	ND		0.99	0.46	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Sodium	ND		500	51	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Thallium	ND		2.0	0.28	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Vanadium	**17**		5.0	0.79	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1
Zinc	**65**		2.0	1.4	mg/Kg	☼	07/13/23 07:15	07/14/23 12:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/13/23 09:00	07/14/23 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.2**		0.1	0.1	%			07/12/23 12:24	1
Percent Solids (SM22 2540G)	**86.8**		0.1	0.1	%			07/12/23 12:24	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 180-159066-10 MS
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440287

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		42.7	53.0		ug/Kg	☼	124	23 - 170
Benzene	ND		42.7	44.8		ug/Kg	☼	105	77 - 120
Bromoform	ND		42.7	33.8		ug/Kg	☼	79	37 - 147
Bromomethane	ND		42.7	38.8		ug/Kg	☼	91	47 - 149
2-Butanone (MEK)	ND		42.7	38.7		ug/Kg	☼	91	39 - 157
Carbon disulfide	ND		42.7	44.7		ug/Kg	☼	105	40 - 156
Carbon tetrachloride	ND		42.7	40.5		ug/Kg	☼	95	73 - 130
Chlorobenzene	ND		42.7	40.8		ug/Kg	☼	95	79 - 122
Chlorobromomethane	ND		42.7	40.2		ug/Kg	☼	94	64 - 128
Chlorodibromomethane	ND		42.7	37.6		ug/Kg	☼	88	60 - 134
Chloroethane	ND		42.7	31.6		ug/Kg	☼	74	37 - 159
Chloroform	ND		42.7	44.0		ug/Kg	☼	103	73 - 126
Chloromethane	ND		42.7	52.1		ug/Kg	☼	122	46 - 151
cis-1,2-Dichloroethene	ND		42.7	43.7		ug/Kg	☼	102	77 - 118
cis-1,3-Dichloropropene	ND		42.7	39.9		ug/Kg	☼	94	73 - 127
Cyclohexane	ND		42.7	43.2		ug/Kg	☼	101	63 - 143
1,2-Dibromo-3-Chloropropane	ND		42.7	33.2		ug/Kg	☼	78	30 - 163
1,2-Dibromoethane	ND		42.7	39.9		ug/Kg	☼	93	59 - 137
1,2-Dichlorobenzene	ND		42.7	41.4		ug/Kg	☼	97	76 - 120
1,3-Dichlorobenzene	ND		42.7	41.9		ug/Kg	☼	98	77 - 121
1,4-Dichlorobenzene	ND		42.7	41.3		ug/Kg	☼	97	79 - 120
Dichlorobromomethane	ND		42.7	42.6		ug/Kg	☼	100	75 - 123
Dichlorodifluoromethane	ND		42.7	48.3		ug/Kg	☼	113	26 - 149
1,1-Dichloroethane	ND		42.7	43.8		ug/Kg	☼	103	73 - 124
1,2-Dichloroethane	ND		42.7	40.8		ug/Kg	☼	96	64 - 140
1,1-Dichloroethene	ND		42.7	46.0		ug/Kg	☼	108	55 - 136
1,2-Dichloroethene, Total	ND		85.4	88.0		ug/Kg	☼	103	77 - 119
1,2-Dichloropropane	ND		42.7	43.9		ug/Kg	☼	103	77 - 119
1,4-Dioxane	ND		854	1010	J	ug/Kg	☼	118	18 - 166
Ethylbenzene	ND		42.7	41.8		ug/Kg	☼	98	79 - 119
2-Hexanone	ND		42.7	39.6		ug/Kg	☼	93	42 - 152
Isopropylbenzene	ND		42.7	42.7		ug/Kg	☼	100	70 - 125
Methyl acetate	ND		85.4	87.7		ug/Kg	☼	103	20 - 170
Methylcyclohexane	ND		42.7	43.0		ug/Kg	☼	101	70 - 125
Methylene Chloride	ND		42.7	44.5		ug/Kg	☼	104	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		42.7	36.6		ug/Kg	☼	86	51 - 147
Methyl tert-butyl ether	ND		42.7	40.2		ug/Kg	☼	94	58 - 132
m-Xylene & p-Xylene	ND		42.7	41.4		ug/Kg	☼	97	77 - 120
o-Xylene	ND		42.7	40.5		ug/Kg	☼	95	78 - 118
Styrene	ND		42.7	42.1		ug/Kg	☼	99	80 - 120
1,1,2,2-Tetrachloroethane	ND		42.7	39.3		ug/Kg	☼	92	36 - 170
Tetrachloroethene	ND		42.7	40.7		ug/Kg	☼	95	71 - 121
Toluene	ND		42.7	42.0		ug/Kg	☼	98	76 - 120
trans-1,2-Dichloroethene	ND		42.7	44.3		ug/Kg	☼	104	75 - 122
trans-1,3-Dichloropropene	ND		42.7	40.7		ug/Kg	☼	95	68 - 133
1,2,3-Trichlorobenzene	ND		42.7	40.8		ug/Kg	☼	96	29 - 166
1,2,4-Trichlorobenzene	ND		42.7	41.1		ug/Kg	☼	96	22 - 170
1,1,1-Trichloroethane	ND		42.7	42.3		ug/Kg	☼	99	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159066-10 MS
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440287

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	ND		42.7	40.8		ug/Kg	☼	96	66 - 128
Trichloroethene	ND		42.7	41.6		ug/Kg	☼	97	69 - 118
Trichlorofluoromethane	ND		42.7	49.0		ug/Kg	☼	115	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.7	42.5		ug/Kg	☼	100	59 - 135
Vinyl chloride	ND		42.7	47.8		ug/Kg	☼	112	64 - 134
Xylenes, Total	ND		85.4	81.9		ug/Kg	☼	96	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*
Toluene-d8 (Surr)	*112*		*67 - 134*

Lab Sample ID: 180-159066-10 MSD
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		41.1	48.5		ug/Kg	☼	118	23 - 170	9	35
Benzene	ND		41.1	43.4		ug/Kg	☼	106	77 - 120	3	20
Bromoform	ND		41.1	33.4		ug/Kg	☼	81	37 - 147	1	23
Bromomethane	ND		41.1	42.4		ug/Kg	☼	103	47 - 149	9	25
2-Butanone (MEK)	ND		41.1	37.8		ug/Kg	☼	92	39 - 157	2	33
Carbon disulfide	ND		41.1	43.8		ug/Kg	☼	107	40 - 156	2	25
Carbon tetrachloride	ND		41.1	39.4		ug/Kg	☼	96	73 - 130	3	21
Chlorobenzene	ND		41.1	39.2		ug/Kg	☼	95	79 - 122	4	20
Chlorobromomethane	ND		41.1	39.6		ug/Kg	☼	96	64 - 128	1	20
Chlorodibromomethane	ND		41.1	36.6		ug/Kg	☼	89	60 - 134	3	40
Chloroethane	ND		41.1	38.3		ug/Kg	☼	93	37 - 159	19	25
Chloroform	ND		41.1	42.5		ug/Kg	☼	103	73 - 126	3	20
Chloromethane	ND		41.1	53.1		ug/Kg	☼	129	46 - 151	2	33
cis-1,2-Dichloroethene	ND		41.1	42.8		ug/Kg	☼	104	77 - 118	2	20
cis-1,3-Dichloropropene	ND		41.1	39.2		ug/Kg	☼	95	73 - 127	2	20
Cyclohexane	ND		41.1	41.4		ug/Kg	☼	101	63 - 143	4	25
1,2-Dibromo-3-Chloropropane	ND		41.1	33.7		ug/Kg	☼	82	30 - 163	2	34
1,2-Dibromoethane	ND		41.1	39.0		ug/Kg	☼	95	59 - 137	2	20
1,2-Dichlorobenzene	ND		41.1	39.9		ug/Kg	☼	97	76 - 120	4	20
1,3-Dichlorobenzene	ND		41.1	40.6		ug/Kg	☼	99	77 - 121	3	20
1,4-Dichlorobenzene	ND		41.1	40.1		ug/Kg	☼	97	79 - 120	3	20
Dichlorobromomethane	ND		41.1	41.6		ug/Kg	☼	101	75 - 123	2	20
Dichlorodifluoromethane	ND		41.1	46.7		ug/Kg	☼	114	26 - 149	3	24
1,1-Dichloroethane	ND		41.1	43.1		ug/Kg	☼	105	73 - 124	2	20
1,2-Dichloroethane	ND		41.1	39.6		ug/Kg	☼	96	64 - 140	3	20
1,1-Dichloroethene	ND		41.1	44.3		ug/Kg	☼	108	55 - 136	4	21
1,2-Dichloroethene, Total	ND		82.3	85.9		ug/Kg	☼	104	77 - 119	2	20
1,2-Dichloropropane	ND		41.1	42.6		ug/Kg	☼	104	77 - 119	3	20
1,4-Dioxane	ND		823	952	J	ug/Kg	☼	116	18 - 166	6	40
Ethylbenzene	ND		41.1	40.1		ug/Kg	☼	98	79 - 119	4	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159066-10 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440379
Prep Batch: 440287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	ND		41.1	38.4		ug/Kg	☼	93	42 - 152	3	30
Isopropylbenzene	ND		41.1	41.1		ug/Kg	☼	100	70 - 125	4	21
Methyl acetate	ND		82.3	88.7		ug/Kg	☼	108	20 - 170	1	33
Methylcyclohexane	ND		41.1	41.0		ug/Kg	☼	100	70 - 125	5	22
Methylene Chloride	ND		41.1	43.8		ug/Kg	☼	107	67 - 131	1	32
4-Methyl-2-pentanone (MIBK)	ND		41.1	36.7		ug/Kg	☼	89	51 - 147	0	27
Methyl tert-butyl ether	ND		41.1	39.8		ug/Kg	☼	97	58 - 132	1	24
m-Xylene & p-Xylene	ND		41.1	40.5		ug/Kg	☼	98	77 - 120	2	20
o-Xylene	ND		41.1	40.1		ug/Kg	☼	97	78 - 118	1	20
Styrene	ND		41.1	40.7		ug/Kg	☼	99	80 - 120	3	20
1,1,2,2-Tetrachloroethane	ND		41.1	38.9		ug/Kg	☼	94	36 - 170	1	23
Tetrachloroethene	ND		41.1	39.4		ug/Kg	☼	96	71 - 121	3	21
Toluene	ND		41.1	40.5		ug/Kg	☼	99	76 - 120	4	20
trans-1,2-Dichloroethene	ND		41.1	43.1		ug/Kg	☼	105	75 - 122	3	20
trans-1,3-Dichloropropene	ND		41.1	39.2		ug/Kg	☼	95	68 - 133	4	20
1,2,3-Trichlorobenzene	ND		41.1	38.9		ug/Kg	☼	95	29 - 166	5	40
1,2,4-Trichlorobenzene	ND		41.1	39.0		ug/Kg	☼	95	22 - 170	5	29
1,1,1-Trichloroethane	ND		41.1	40.9		ug/Kg	☼	99	72 - 134	3	20
1,1,2-Trichloroethane	ND		41.1	40.0		ug/Kg	☼	97	66 - 128	2	21
Trichloroethene	ND		41.1	41.1		ug/Kg	☼	100	69 - 118	1	20
Trichlorofluoromethane	ND		41.1	46.5		ug/Kg	☼	113	32 - 149	5	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.1	40.6		ug/Kg	☼	99	59 - 135	5	28
Vinyl chloride	ND		41.1	46.3		ug/Kg	☼	113	64 - 134	3	23
Xylenes, Total	ND		82.3	80.6		ug/Kg	☼	98	78 - 118	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*111*		*67 - 134*

Lab Sample ID: MB 180-440379/8
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/14/23 14:43	1
Benzene	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
Bromoform	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/14/23 14:43	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/14/23 14:43	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/14/23 14:43	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/14/23 14:43	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/14/23 14:43	1
Chloroform	ND		5.0	3.4	ug/Kg			07/14/23 14:43	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440379/8
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/14/23 14:43	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/14/23 14:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/14/23 14:43	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/14/23 14:43	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/14/23 14:43	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/14/23 14:43	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/14/23 14:43	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/14/23 14:43	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/14/23 14:43	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/14/23 14:43	1
2-Hexanone	ND		25	1.6	ug/Kg			07/14/23 14:43	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/14/23 14:43	1
Methyl acetate	ND		25	7.4	ug/Kg			07/14/23 14:43	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/14/23 14:43	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/14/23 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/14/23 14:43	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/14/23 14:43	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Styrene	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/14/23 14:43	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Toluene	ND		5.0	1.4	ug/Kg			07/14/23 14:43	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/14/23 14:43	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/14/23 14:43	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/14/23 14:43	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/14/23 14:43	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/14/23 14:43	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/14/23 14:43	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/14/23 14:43	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/14/23 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/14/23 14:43	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/14/23 14:43	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/14/23 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*		*07/14/23 14:43*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*		*07/14/23 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*		*07/14/23 14:43*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*		*07/14/23 14:43*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440379/4
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	38.9		ug/Kg		97	23 - 170
Benzene	40.0	40.2		ug/Kg		100	77 - 120
Bromoform	40.0	28.9		ug/Kg		72	37 - 147
Bromomethane	40.0	34.0		ug/Kg		85	47 - 149
2-Butanone (MEK)	40.0	34.3		ug/Kg		86	39 - 157
Carbon disulfide	40.0	39.4		ug/Kg		98	40 - 156
Carbon tetrachloride	40.0	34.4		ug/Kg		86	73 - 130
Chlorobenzene	40.0	35.6		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	36.4		ug/Kg		91	64 - 128
Chlorodibromomethane	40.0	32.3		ug/Kg		81	60 - 134
Chloroethane	40.0	29.2		ug/Kg		73	37 - 159
Chloroform	40.0	39.4		ug/Kg		99	73 - 126
Chloromethane	40.0	48.9		ug/Kg		122	46 - 151
cis-1,2-Dichloroethene	40.0	39.1		ug/Kg		98	77 - 118
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127
Cyclohexane	40.0	37.4		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	31.2		ug/Kg		78	30 - 163
1,2-Dibromoethane	40.0	34.4		ug/Kg		86	59 - 137
1,2-Dichlorobenzene	40.0	37.5		ug/Kg		94	76 - 120
1,3-Dichlorobenzene	40.0	37.8		ug/Kg		95	77 - 121
1,4-Dichlorobenzene	40.0	37.5		ug/Kg		94	79 - 120
Dichlorobromomethane	40.0	37.6		ug/Kg		94	75 - 123
Dichlorodifluoromethane	40.0	42.2		ug/Kg		105	26 - 149
1,1-Dichloroethane	40.0	39.5		ug/Kg		99	73 - 124
1,2-Dichloroethane	40.0	36.2		ug/Kg		90	64 - 140
1,1-Dichloroethene	40.0	40.2		ug/Kg		101	55 - 136
1,2-Dichloroethene, Total	80.0	78.4		ug/Kg		98	77 - 119
1,2-Dichloropropane	40.0	38.4		ug/Kg		96	77 - 119
1,4-Dioxane	800	875	J	ug/Kg		109	18 - 166
Ethylbenzene	40.0	36.1		ug/Kg		90	79 - 119
2-Hexanone	40.0	29.3		ug/Kg		73	42 - 152
Isopropylbenzene	40.0	36.5		ug/Kg		91	70 - 125
Methyl acetate	80.0	84.7		ug/Kg		106	20 - 170
Methylcyclohexane	40.0	36.6		ug/Kg		92	70 - 125
Methylene Chloride	40.0	51.6		ug/Kg		129	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	31.3		ug/Kg		78	51 - 147
Methyl tert-butyl ether	40.0	35.9		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	35.8		ug/Kg		90	77 - 120
o-Xylene	40.0	35.5		ug/Kg		89	78 - 118
Styrene	40.0	36.8		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	33.9		ug/Kg		85	36 - 170
Tetrachloroethene	40.0	34.4		ug/Kg		86	71 - 121
Toluene	40.0	36.6		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	39.3		ug/Kg		98	75 - 122
trans-1,3-Dichloropropene	40.0	35.3		ug/Kg		88	68 - 133
1,2,3-Trichlorobenzene	40.0	37.3		ug/Kg		93	29 - 166
1,2,4-Trichlorobenzene	40.0	37.3		ug/Kg		93	22 - 170
1,1,1-Trichloroethane	40.0	37.1		ug/Kg		93	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440379/4
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	40.0	34.4		ug/Kg		86	66 - 128
Trichloroethene	40.0	36.8		ug/Kg		92	69 - 118
Trichlorofluoromethane	40.0	43.2		ug/Kg		108	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.1		ug/Kg		90	59 - 135
Vinyl chloride	40.0	43.2		ug/Kg		108	64 - 134
Xylenes, Total	80.0	71.3		ug/Kg		89	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*92*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*
Toluene-d8 (Surr)	*87*		*67 - 134*

Lab Sample ID: LCSD 180-440379/5
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	44.1		ug/Kg		110	23 - 170	13	35
Benzene	40.0	42.1		ug/Kg		105	77 - 120	5	20
Bromoform	40.0	32.0		ug/Kg		80	37 - 147	10	23
Bromomethane	40.0	35.8		ug/Kg		89	47 - 149	5	25
2-Butanone (MEK)	40.0	41.6		ug/Kg		104	39 - 157	19	33
Carbon disulfide	40.0	44.6		ug/Kg		112	40 - 156	12	25
Carbon tetrachloride	40.0	38.6		ug/Kg		97	73 - 130	11	21
Chlorobenzene	40.0	38.1		ug/Kg		95	79 - 122	7	20
Chlorobromomethane	40.0	38.0		ug/Kg		95	64 - 128	4	20
Chlorodibromomethane	40.0	34.3		ug/Kg		86	60 - 134	6	40
Chloroethane	40.0	32.3		ug/Kg		81	37 - 159	10	25
Chloroform	40.0	41.4		ug/Kg		104	73 - 126	5	20
Chloromethane	40.0	51.3		ug/Kg		128	46 - 151	5	33
cis-1,2-Dichloroethene	40.0	42.0		ug/Kg		105	77 - 118	7	20
cis-1,3-Dichloropropene	40.0	37.3		ug/Kg		93	73 - 127	5	20
Cyclohexane	40.0	41.9		ug/Kg		105	63 - 143	11	25
1,2-Dibromo-3-Chloropropane	40.0	32.5		ug/Kg		81	30 - 163	4	34
1,2-Dibromoethane	40.0	36.5		ug/Kg		91	59 - 137	6	20
1,2-Dichlorobenzene	40.0	38.7		ug/Kg		97	76 - 120	3	20
1,3-Dichlorobenzene	40.0	39.1		ug/Kg		98	77 - 121	3	20
1,4-Dichlorobenzene	40.0	38.6		ug/Kg		96	79 - 120	3	20
Dichlorobromomethane	40.0	38.7		ug/Kg		97	75 - 123	3	20
Dichlorodifluoromethane	40.0	46.5		ug/Kg		116	26 - 149	10	24
1,1-Dichloroethane	40.0	43.0		ug/Kg		108	73 - 124	8	20
1,2-Dichloroethane	40.0	37.7		ug/Kg		94	64 - 140	4	20
1,1-Dichloroethene	40.0	44.3		ug/Kg		111	55 - 136	10	21
1,2-Dichloroethene, Total	80.0	84.9		ug/Kg		106	77 - 119	8	20
1,2-Dichloropropane	40.0	41.5		ug/Kg		104	77 - 119	8	20
1,4-Dioxane	800	903	J	ug/Kg		113	18 - 166	3	40
Ethylbenzene	40.0	40.0		ug/Kg		100	79 - 119	10	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440379/5
Matrix: Solid
Analysis Batch: 440379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			40.0	34.7		ug/Kg		87	42 - 152	17	30
Isopropylbenzene			40.0	41.1		ug/Kg		103	70 - 125	12	21
Methyl acetate			80.0	87.2		ug/Kg		109	20 - 170	3	33
Methylcyclohexane			40.0	40.7		ug/Kg		102	70 - 125	11	22
Methylene Chloride			40.0	44.9		ug/Kg		112	67 - 131	14	32
4-Methyl-2-pentanone (MIBK)			40.0	34.0		ug/Kg		85	51 - 147	8	27
Methyl tert-butyl ether			40.0	38.9		ug/Kg		97	58 - 132	8	24
m-Xylene & p-Xylene			40.0	39.5		ug/Kg		99	77 - 120	10	20
o-Xylene			40.0	38.9		ug/Kg		97	78 - 118	9	20
Styrene			40.0	39.6		ug/Kg		99	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	37.7		ug/Kg		94	36 - 170	11	23
Tetrachloroethene			40.0	38.1		ug/Kg		95	71 - 121	10	21
Toluene			40.0	39.7		ug/Kg		99	76 - 120	8	20
trans-1,2-Dichloroethene			40.0	42.9		ug/Kg		107	75 - 122	9	20
trans-1,3-Dichloropropene			40.0	38.0		ug/Kg		95	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	37.0		ug/Kg		92	29 - 166	1	40
1,2,4-Trichlorobenzene			40.0	38.5		ug/Kg		96	22 - 170	3	29
1,1,1-Trichloroethane			40.0	40.9		ug/Kg		102	72 - 134	10	20
1,1,2-Trichloroethane			40.0	37.5		ug/Kg		94	66 - 128	9	21
Trichloroethene			40.0	39.2		ug/Kg		98	69 - 118	6	20
Trichlorofluoromethane			40.0	47.4		ug/Kg		118	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	40.9		ug/Kg		102	59 - 135	12	28
Vinyl chloride			40.0	47.2		ug/Kg		118	64 - 134	9	23
Xylenes, Total			80.0	78.4		ug/Kg		98	78 - 118	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*88*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Lab Sample ID: MB 180-440453/7
Matrix: Solid
Analysis Batch: 440453

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/15/23 10:30	1
Benzene	ND		5.0	1.4	ug/Kg			07/15/23 10:30	1
Bromoform	ND		5.0	2.5	ug/Kg			07/15/23 10:30	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/15/23 10:30	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/15/23 10:30	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/15/23 10:30	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/15/23 10:30	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/15/23 10:30	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/15/23 10:30	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/15/23 10:30	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/15/23 10:30	1
Chloroform	ND		5.0	3.4	ug/Kg			07/15/23 10:30	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440453/7
Matrix: Solid
Analysis Batch: 440453

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg			07/15/23 10:30	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/15/23 10:30	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/15/23 10:30	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/15/23 10:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/15/23 10:30	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/15/23 10:30	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/15/23 10:30	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/15/23 10:30	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/15/23 10:30	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/15/23 10:30	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/15/23 10:30	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/15/23 10:30	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/15/23 10:30	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/15/23 10:30	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/15/23 10:30	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/15/23 10:30	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/15/23 10:30	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/15/23 10:30	1
2-Hexanone	ND		25	1.6	ug/Kg			07/15/23 10:30	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/15/23 10:30	1
Methyl acetate	ND		25	7.4	ug/Kg			07/15/23 10:30	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/15/23 10:30	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/15/23 10:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/15/23 10:30	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/15/23 10:30	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/15/23 10:30	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/15/23 10:30	1
Styrene	ND		5.0	1.5	ug/Kg			07/15/23 10:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/15/23 10:30	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/15/23 10:30	1
Toluene	ND		5.0	1.4	ug/Kg			07/15/23 10:30	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/15/23 10:30	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/15/23 10:30	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/15/23 10:30	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/15/23 10:30	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/15/23 10:30	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/15/23 10:30	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/15/23 10:30	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/15/23 10:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/15/23 10:30	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/15/23 10:30	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/15/23 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*		*07/15/23 10:30*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*		*07/15/23 10:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*		*07/15/23 10:30*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*		*07/15/23 10:30*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440453/3
Matrix: Solid
Analysis Batch: 440453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	41.0		ug/Kg		102	23 - 170
Benzene	40.0	39.3		ug/Kg		98	77 - 120
Bromoform	40.0	28.6		ug/Kg		71	37 - 147
Bromomethane	40.0	40.2		ug/Kg		101	47 - 149
2-Butanone (MEK)	40.0	35.2		ug/Kg		88	39 - 157
Carbon disulfide	40.0	39.6		ug/Kg		99	40 - 156
Carbon tetrachloride	40.0	35.4		ug/Kg		88	73 - 130
Chlorobenzene	40.0	35.6		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	34.1		ug/Kg		85	64 - 128
Chlorodibromomethane	40.0	31.4		ug/Kg		78	60 - 134
Chloroethane	40.0	35.6		ug/Kg		89	37 - 159
Chloroform	40.0	38.7		ug/Kg		97	73 - 126
Chloromethane	40.0	47.8		ug/Kg		120	46 - 151
cis-1,2-Dichloroethene	40.0	38.0		ug/Kg		95	77 - 118
cis-1,3-Dichloropropene	40.0	33.5		ug/Kg		84	73 - 127
Cyclohexane	40.0	37.6		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	26.9		ug/Kg		67	30 - 163
1,2-Dibromoethane	40.0	33.5		ug/Kg		84	59 - 137
1,2-Dichlorobenzene	40.0	35.8		ug/Kg		90	76 - 120
1,3-Dichlorobenzene	40.0	36.6		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120
Dichlorobromomethane	40.0	36.0		ug/Kg		90	75 - 123
Dichlorodifluoromethane	40.0	41.5		ug/Kg		104	26 - 149
1,1-Dichloroethane	40.0	38.3		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	35.0		ug/Kg		87	64 - 140
1,1-Dichloroethene	40.0	39.7		ug/Kg		99	55 - 136
1,2-Dichloroethene, Total	80.0	77.0		ug/Kg		96	77 - 119
1,2-Dichloropropane	40.0	38.1		ug/Kg		95	77 - 119
1,4-Dioxane	800	673	J	ug/Kg		84	18 - 166
Ethylbenzene	40.0	37.3		ug/Kg		93	79 - 119
2-Hexanone	40.0	33.5		ug/Kg		84	42 - 152
Isopropylbenzene	40.0	38.0		ug/Kg		95	70 - 125
Methyl acetate	80.0	80.6		ug/Kg		101	20 - 170
Methylcyclohexane	40.0	36.6		ug/Kg		91	70 - 125
Methylene Chloride	40.0	38.5		ug/Kg		96	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	30.6		ug/Kg		76	51 - 147
Methyl tert-butyl ether	40.0	33.1		ug/Kg		83	58 - 132
m-Xylene & p-Xylene	40.0	37.1		ug/Kg		93	77 - 120
o-Xylene	40.0	36.1		ug/Kg		90	78 - 118
Styrene	40.0	37.0		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	33.7		ug/Kg		84	36 - 170
Tetrachloroethene	40.0	35.8		ug/Kg		90	71 - 121
Toluene	40.0	38.1		ug/Kg		95	76 - 120
trans-1,2-Dichloroethene	40.0	39.0		ug/Kg		98	75 - 122
trans-1,3-Dichloropropene	40.0	34.4		ug/Kg		86	68 - 133
1,2,3-Trichlorobenzene	40.0	34.1		ug/Kg		85	29 - 166
1,2,4-Trichlorobenzene	40.0	34.3		ug/Kg		86	22 - 170
1,1,1-Trichloroethane	40.0	37.7		ug/Kg		94	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440453/3
Matrix: Solid
Analysis Batch: 440453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,2-Trichloroethane			40.0	35.3		ug/Kg		88	66 - 128		
Trichloroethene			40.0	35.9		ug/Kg		90	69 - 118		
Trichlorofluoromethane			40.0	47.5		ug/Kg		119	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	37.4		ug/Kg		93	59 - 135		
Vinyl chloride			40.0	44.7		ug/Kg		112	64 - 134		
Xylenes, Total			80.0	73.2		ug/Kg		92	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*88*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*81*		*73 - 135*
Toluene-d8 (Surr)	*86*		*67 - 134*

Lab Sample ID: LCSD 180-440453/4
Matrix: Solid
Analysis Batch: 440453

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	39.9		ug/Kg		100	23 - 170	3	35
Benzene			40.0	39.3		ug/Kg		98	77 - 120	0	20
Bromoform			40.0	28.3		ug/Kg		71	37 - 147	1	23
Bromomethane			40.0	38.5		ug/Kg		96	47 - 149	4	25
2-Butanone (MEK)			40.0	35.2		ug/Kg		88	39 - 157	0	33
Carbon disulfide			40.0	39.7		ug/Kg		99	40 - 156	0	25
Carbon tetrachloride			40.0	35.6		ug/Kg		89	73 - 130	1	21
Chlorobenzene			40.0	36.2		ug/Kg		90	79 - 122	2	20
Chlorobromomethane			40.0	33.1		ug/Kg		83	64 - 128	3	20
Chlorodibromomethane			40.0	32.0		ug/Kg		80	60 - 134	2	40
Chloroethane			40.0	33.0		ug/Kg		83	37 - 159	8	25
Chloroform			40.0	38.4		ug/Kg		96	73 - 126	1	20
Chloromethane			40.0	48.3		ug/Kg		121	46 - 151	1	33
cis-1,2-Dichloroethene			40.0	37.6		ug/Kg		94	77 - 118	1	20
cis-1,3-Dichloropropene			40.0	34.0		ug/Kg		85	73 - 127	2	20
Cyclohexane			40.0	37.5		ug/Kg		94	63 - 143	0	25
1,2-Dibromo-3-Chloropropane			40.0	25.9		ug/Kg		65	30 - 163	4	34
1,2-Dibromoethane			40.0	33.7		ug/Kg		84	59 - 137	0	20
1,2-Dichlorobenzene			40.0	35.7		ug/Kg		89	76 - 120	0	20
1,3-Dichlorobenzene			40.0	36.5		ug/Kg		91	77 - 121	0	20
1,4-Dichlorobenzene			40.0	35.7		ug/Kg		89	79 - 120	0	20
Dichlorobromomethane			40.0	35.9		ug/Kg		90	75 - 123	0	20
Dichlorodifluoromethane			40.0	41.8		ug/Kg		105	26 - 149	1	24
1,1-Dichloroethane			40.0	38.4		ug/Kg		96	73 - 124	0	20
1,2-Dichloroethane			40.0	33.9		ug/Kg		85	64 - 140	3	20
1,1-Dichloroethene			40.0	39.6		ug/Kg		99	55 - 136	0	21
1,2-Dichloroethene, Total			80.0	76.8		ug/Kg		96	77 - 119	0	20
1,2-Dichloropropane			40.0	37.5		ug/Kg		94	77 - 119	2	20
1,4-Dioxane			800	758	J	ug/Kg		95	18 - 166	12	40
Ethylbenzene			40.0	37.9		ug/Kg		95	79 - 119	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440453/4
Matrix: Solid
Analysis Batch: 440453

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			40.0	30.6		ug/Kg		77	42 - 152	9	30
Isopropylbenzene			40.0	38.6		ug/Kg		97	70 - 125	2	21
Methyl acetate			80.0	74.0		ug/Kg		93	20 - 170	9	33
Methylcyclohexane			40.0	36.7		ug/Kg		92	70 - 125	0	22
Methylene Chloride			40.0	37.2		ug/Kg		93	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	29.5		ug/Kg		74	51 - 147	3	27
Methyl tert-butyl ether			40.0	32.3		ug/Kg		81	58 - 132	3	24
m-Xylene & p-Xylene			40.0	37.5		ug/Kg		94	77 - 120	1	20
o-Xylene			40.0	36.7		ug/Kg		92	78 - 118	2	20
Styrene			40.0	36.8		ug/Kg		92	80 - 120	0	20
1,1,2,2-Tetrachloroethane			40.0	32.8		ug/Kg		82	36 - 170	3	23
Tetrachloroethene			40.0	37.2		ug/Kg		93	71 - 121	4	21
Toluene			40.0	38.2		ug/Kg		95	76 - 120	0	20
trans-1,2-Dichloroethene			40.0	39.2		ug/Kg		98	75 - 122	0	20
trans-1,3-Dichloropropene			40.0	34.7		ug/Kg		87	68 - 133	1	20
1,2,3-Trichlorobenzene			40.0	33.8		ug/Kg		85	29 - 166	1	40
1,2,4-Trichlorobenzene			40.0	34.0		ug/Kg		85	22 - 170	1	29
1,1,1-Trichloroethane			40.0	37.5		ug/Kg		94	72 - 134	0	20
1,1,2-Trichloroethane			40.0	34.9		ug/Kg		87	66 - 128	1	21
Trichloroethene			40.0	36.9		ug/Kg		92	69 - 118	3	20
Trichlorofluoromethane			40.0	44.1		ug/Kg		110	32 - 149	7	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.5		ug/Kg		91	59 - 135	2	28
Vinyl chloride			40.0	44.2		ug/Kg		111	64 - 134	1	23
Xylenes, Total			80.0	74.2		ug/Kg		93	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*87*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*
Toluene-d8 (Surr)	*88*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440259/1-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Acenaphthylene	ND		67	15	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Acetophenone	ND		670	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Anthracene	ND		67	17	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Atrazine	ND		670	150	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Benzaldehyde	ND		670	41	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/13/23 08:23	07/13/23 13:28	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440259/1-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Caprolactam	ND		1700	220	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Carbazole	ND		67	16	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4-Chloroaniline	ND		330	88	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2-Chlorophenol	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Chrysene	ND		67	37	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Dibenzofuran	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Diethyl phthalate	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
1,4-Dioxane	ND		670	100	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Fluoranthene	ND		67	18	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Fluorene	ND		67	13	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Hexachloroethane	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Isophorone	ND		330	130	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2-Methylphenol	ND		330	96	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Naphthalene	ND		67	13	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Nitrobenzene	ND		670	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2-Nitrophenol	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/13/23 08:23	07/13/23 13:28	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440259/1-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Phenanthrene	ND		67	18	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Phenol	ND		330	100	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
Pyrene	ND		67	16	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/13/23 08:23	07/13/23 13:28	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/13/23 08:23	07/13/23 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*07/13/23 08:23*	*07/13/23 13:28*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*07/13/23 08:23*	*07/13/23 13:28*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/13/23 08:23*	*07/13/23 13:28*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*07/13/23 08:23*	*07/13/23 13:28*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*07/13/23 08:23*	*07/13/23 13:28*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/13/23 08:23*	*07/13/23 13:28*	*1*

Lab Sample ID: LCS 180-440259/2-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4610		ug/Kg		69	50 - 100
Acenaphthylene	6670	5040		ug/Kg		76	52 - 100
Acetophenone	6670	4840		ug/Kg		73	48 - 100
Anthracene	6670	4900		ug/Kg		73	53 - 100
Atrazine	6670	4910		ug/Kg		74	49 - 103
Benzaldehyde	6670	4990		ug/Kg		75	23 - 105
Benzo[a]anthracene	6670	5090		ug/Kg		76	51 - 100
Benzo[a]pyrene	6670	4950		ug/Kg		74	51 - 100
Benzo[b]fluoranthene	6670	4250		ug/Kg		64	48 - 100
Benzo[g,h,i]perylene	6670	5260		ug/Kg		79	48 - 105
Benzo[k]fluoranthene	6670	4270		ug/Kg		64	19 - 100
1,1'-Biphenyl	6670	4690		ug/Kg		70	50 - 100
Bis(2-chloroethoxy)methane	6670	5200		ug/Kg		78	49 - 100
Bis(2-chloroethyl)ether	6670	4930		ug/Kg		74	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5240		ug/Kg		79	53 - 107
4-Bromophenyl phenyl ether	6670	5030		ug/Kg		75	52 - 101
Butyl benzyl phthalate	6670	5070		ug/Kg		76	52 - 107
Caprolactam	6670	5120		ug/Kg		77	48 - 111
Carbazole	6670	4770		ug/Kg		72	53 - 100
4-Chloroaniline	6670	4770		ug/Kg		72	47 - 100
4-Chloro-3-methylphenol	6670	5380		ug/Kg		81	49 - 106
2-Chloronaphthalene	6670	4630		ug/Kg		69	51 - 100
2-Chlorophenol	6670	4730		ug/Kg		71	51 - 100
4-Chlorophenyl phenyl ether	6670	5200		ug/Kg		78	52 - 100
Chrysene	6670	5180		ug/Kg		78	50 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440259/2-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	6670	5340		ug/Kg		80	50 - 107
Dibenzofuran	6670	4840		ug/Kg		73	52 - 100
3,3'-Dichlorobenzidine	6670	4650		ug/Kg		70	43 - 100
2,4-Dichlorophenol	6670	5040		ug/Kg		76	53 - 101
Diethyl phthalate	6670	5470		ug/Kg		82	48 - 104
2,4-Dimethylphenol	6670	4300		ug/Kg		64	51 - 101
Dimethyl phthalate	6670	4960		ug/Kg		74	53 - 100
Di-n-butyl phthalate	6670	5250		ug/Kg		79	57 - 102
4,6-Dinitro-2-methylphenol	13300	9360		ug/Kg		70	51 - 100
2,4-Dinitrophenol	13300	9050		ug/Kg		68	33 - 101
2,4-Dinitrotoluene	6670	5470		ug/Kg		82	54 - 104
2,6-Dinitrotoluene	6670	4980		ug/Kg		75	51 - 106
Di-n-octyl phthalate	6670	4690		ug/Kg		70	41 - 106
1,4-Dioxane	6670	5170		ug/Kg		78	25 - 125
Fluoranthene	6670	5170		ug/Kg		78	55 - 100
Fluorene	6670	4920		ug/Kg		74	52 - 100
Hexachlorobenzene	6670	4670		ug/Kg		70	49 - 100
Hexachlorobutadiene	6670	5660		ug/Kg		85	38 - 107
Hexachlorocyclopentadiene	6670	3750		ug/Kg		56	33 - 117
Hexachloroethane	6670	5080		ug/Kg		76	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5280		ug/Kg		79	51 - 103
Isophorone	6670	5650		ug/Kg		85	48 - 105
2-Methylnaphthalene	6670	5010		ug/Kg		75	53 - 100
2-Methylphenol	6670	4630		ug/Kg		69	50 - 101
Methylphenol, 3 & 4	6670	4740		ug/Kg		71	50 - 103
Naphthalene	6670	4990		ug/Kg		75	51 - 100
2-Nitroaniline	6670	5880		ug/Kg		88	42 - 123
3-Nitroaniline	6670	4950		ug/Kg		74	50 - 103
4-Nitroaniline	6670	5160		ug/Kg		77	52 - 103
Nitrobenzene	6670	5790		ug/Kg		87	44 - 108
2-Nitrophenol	6670	5310		ug/Kg		80	55 - 107
4-Nitrophenol	13300	13600		ug/Kg		102	30 - 134
N-Nitrosodi-n-propylamine	6670	5240		ug/Kg		79	45 - 107
N-Nitrosodiphenylamine	6670	4850		ug/Kg		73	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4510		ug/Kg		68	30 - 113
Pentachlorophenol	13300	10400		ug/Kg		78	42 - 110
Phenanthrene	6670	4610		ug/Kg		69	53 - 100
Phenol	6670	4620		ug/Kg		69	49 - 100
Pyrene	6670	4750		ug/Kg		71	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5120		ug/Kg		77	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5180		ug/Kg		78	47 - 104
2,4,5-Trichlorophenol	6670	5030		ug/Kg		75	50 - 104
2,4,6-Trichlorophenol	6670	5280		ug/Kg		79	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*44 - 105*
2-Fluorophenol (Surr)	*72*		*48 - 105*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440259/2-A
Matrix: Solid
Analysis Batch: 440291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440259

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*69*		*46 - 105*
Terphenyl-d14 (Surr)	*62*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*

Lab Sample ID: 180-159066-10 MS
Matrix: Solid
Analysis Batch: 440356

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7490	6130		ug/Kg	☼	82	50 - 100
Acenaphthylene	ND		7490	6720		ug/Kg	☼	90	52 - 100
Acetophenone	ND		7490	5890		ug/Kg	☼	79	48 - 100
Anthracene	ND		7490	6370		ug/Kg	☼	85	53 - 100
Atrazine	ND	F1	7490	880	F1	ug/Kg	☼	12	49 - 103
Benzaldehyde	ND	F1	7490	526	J F1	ug/Kg	☼	7	23 - 105
Benzo[a]anthracene	ND		7490	6890		ug/Kg	☼	92	51 - 100
Benzo[a]pyrene	ND		7490	6100		ug/Kg	☼	81	51 - 100
Benzo[b]fluoranthene	ND		7490	5370		ug/Kg	☼	72	48 - 100
Benzo[g,h,i]perylene	ND		7490	6430		ug/Kg	☼	86	48 - 105
Benzo[k]fluoranthene	ND		7490	5460		ug/Kg	☼	73	19 - 100
1,1'-Biphenyl	ND		7490	6100		ug/Kg	☼	81	50 - 100
Bis(2-chloroethoxy)methane	ND		7490	6830		ug/Kg	☼	91	49 - 100
Bis(2-chloroethyl)ether	ND		7490	6700		ug/Kg	☼	90	48 - 100
Bis(2-ethylhexyl) phthalate	ND		7490	7420		ug/Kg	☼	99	53 - 107
4-Bromophenyl phenyl ether	ND		7490	6530		ug/Kg	☼	87	52 - 101
Butyl benzyl phthalate	ND		7490	7040		ug/Kg	☼	94	52 - 107
Caprolactam	ND		7490	7250		ug/Kg	☼	97	48 - 111
Carbazole	ND		7490	6430		ug/Kg	☼	86	53 - 100
4-Chloroaniline	ND		7490	3920		ug/Kg	☼	52	47 - 100
4-Chloro-3-methylphenol	ND		7490	7730		ug/Kg	☼	103	49 - 106
2-Chloronaphthalene	ND		7490	6240		ug/Kg	☼	83	51 - 100
2-Chlorophenol	ND		7490	6610		ug/Kg	☼	88	51 - 100
4-Chlorophenyl phenyl ether	ND		7490	6920		ug/Kg	☼	92	52 - 100
Chrysene	ND		7490	6820		ug/Kg	☼	91	50 - 100
Dibenz(a,h)anthracene	ND		7490	6730		ug/Kg	☼	90	50 - 107
Dibenzofuran	ND		7490	6480		ug/Kg	☼	87	52 - 100
3,3'-Dichlorobenzidine	ND		7490	5290		ug/Kg	☼	71	43 - 100
2,4-Dichlorophenol	ND		7490	6710		ug/Kg	☼	90	53 - 101
Diethyl phthalate	ND		7490	7310		ug/Kg	☼	98	48 - 104
2,4-Dimethylphenol	ND		7490	5860		ug/Kg	☼	78	51 - 101
Dimethyl phthalate	ND		7490	6820		ug/Kg	☼	91	53 - 100
Di-n-butyl phthalate	ND		7490	7120		ug/Kg	☼	95	57 - 102
4,6-Dinitro-2-methylphenol	ND		15000	8900		ug/Kg	☼	59	51 - 100
2,4-Dinitrophenol	ND		15000	6480		ug/Kg	☼	43	33 - 101
2,4-Dinitrotoluene	ND		7490	7210		ug/Kg	☼	96	54 - 104
2,6-Dinitrotoluene	ND		7490	6830		ug/Kg	☼	91	51 - 106
Di-n-octyl phthalate	ND		7490	6530		ug/Kg	☼	87	41 - 106
1,4-Dioxane	ND		7490	5490		ug/Kg	☼	73	25 - 125

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159066-10 MS
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440356
Prep Batch: 440259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	ND		7490	6820		ug/Kg	☼	91	55 - 100
Fluorene	ND		7490	6620		ug/Kg	☼	88	52 - 100
Hexachlorobenzene	ND		7490	6110		ug/Kg	☼	82	49 - 100
Hexachlorobutadiene	ND		7490	7190		ug/Kg	☼	96	38 - 107
Hexachlorocyclopentadiene	ND	F1	7490	957	F1	ug/Kg	☼	13	33 - 117
Hexachloroethane	ND		7490	6420		ug/Kg	☼	86	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7490	6740		ug/Kg	☼	90	51 - 103
Isophorone	ND		7490	6000		ug/Kg	☼	80	48 - 105
2-Methylnaphthalene	ND		7490	6740		ug/Kg	☼	90	53 - 100
2-Methylphenol	ND		7490	6840		ug/Kg	☼	91	50 - 101
Methylphenol, 3 & 4	ND		7490	6980		ug/Kg	☼	93	50 - 103
Naphthalene	ND		7490	6360		ug/Kg	☼	85	51 - 100
2-Nitroaniline	ND		7490	8140		ug/Kg	☼	109	42 - 123
3-Nitroaniline	ND		7490	6220		ug/Kg	☼	83	50 - 103
4-Nitroaniline	ND		7490	6660		ug/Kg	☼	89	52 - 103
Nitrobenzene	ND		7490	7510		ug/Kg	☼	100	44 - 108
2-Nitrophenol	ND		7490	6910		ug/Kg	☼	92	55 - 107
4-Nitrophenol	ND		15000	17900		ug/Kg	☼	119	30 - 134
N-Nitrosodi-n-propylamine	ND		7490	7510		ug/Kg	☼	100	45 - 107
N-Nitrosodiphenylamine	ND		7490	6260		ug/Kg	☼	84	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7490	6190		ug/Kg	☼	83	30 - 113
Pentachlorophenol	ND		15000	11100		ug/Kg	☼	74	42 - 110
Phenanthrene	ND		7490	6200		ug/Kg	☼	83	53 - 100
Phenol	ND		7490	6250		ug/Kg	☼	83	49 - 100
Pyrene	ND		7490	6330		ug/Kg	☼	85	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7490	6360		ug/Kg	☼	85	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7490	6750		ug/Kg	☼	90	47 - 104
2,4,5-Trichlorophenol	ND		7490	6820		ug/Kg	☼	91	50 - 104
2,4,6-Trichlorophenol	ND		7490	6940		ug/Kg	☼	93	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*44 - 105*
2-Fluorophenol (Surr)	*84*		*48 - 105*
Nitrobenzene-d5 (Surr)	*94*		*46 - 105*
Phenol-d5 (Surr)	*85*		*46 - 105*
Terphenyl-d14 (Surr)	*75*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*

Lab Sample ID: 180-159066-10 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440356
Prep Batch: 440259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7390	6140		ug/Kg	☼	83	50 - 100	0	20
Acenaphthylene	ND		7390	6720		ug/Kg	☼	91	52 - 100	0	20
Acetophenone	ND		7390	5770		ug/Kg	☼	78	48 - 100	2	17
Anthracene	ND		7390	6650		ug/Kg	☼	90	53 - 100	4	20
Atrazine	ND	F1	7390	919	F1	ug/Kg	☼	12	49 - 103	4	19

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159066-10 MSD
Matrix: Solid
Analysis Batch: 440356

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzaldehyde	ND	F1	7390	487	J F1	ug/Kg	☼	7	23 - 105	8	31
Benzo[a]anthracene	ND		7390	7100		ug/Kg	☼	96	51 - 100	3	21
Benzo[a]pyrene	ND		7390	6050		ug/Kg	☼	82	51 - 100	1	20
Benzo[b]fluoranthene	ND		7390	5770		ug/Kg	☼	78	48 - 100	7	20
Benzo[g,h,i]perylene	ND		7390	6640		ug/Kg	☼	90	48 - 105	3	19
Benzo[k]fluoranthene	ND		7390	5300		ug/Kg	☼	72	19 - 100	3	20
1,1'-Biphenyl	ND		7390	6200		ug/Kg	☼	84	50 - 100	2	19
Bis(2-chloroethoxy)methane	ND		7390	6640		ug/Kg	☼	90	49 - 100	3	20
Bis(2-chloroethyl)ether	ND		7390	6220		ug/Kg	☼	84	48 - 100	8	18
Bis(2-ethylhexyl) phthalate	ND		7390	7530		ug/Kg	☼	102	53 - 107	1	20
4-Bromophenyl phenyl ether	ND		7390	6760		ug/Kg	☼	91	52 - 101	4	20
Butyl benzyl phthalate	ND		7390	7110		ug/Kg	☼	96	52 - 107	1	19
Caprolactam	ND		7390	6990		ug/Kg	☼	95	48 - 111	4	23
Carbazole	ND		7390	6770		ug/Kg	☼	92	53 - 100	5	20
4-Chloroaniline	ND		7390	4010		ug/Kg	☼	54	47 - 100	2	20
4-Chloro-3-methylphenol	ND		7390	7510		ug/Kg	☼	102	49 - 106	3	20
2-Chloronaphthalene	ND		7390	6210		ug/Kg	☼	84	51 - 100	0	20
2-Chlorophenol	ND		7390	6120		ug/Kg	☼	83	51 - 100	8	17
4-Chlorophenyl phenyl ether	ND		7390	7030		ug/Kg	☼	95	52 - 100	2	19
Chrysene	ND		7390	7010		ug/Kg	☼	95	50 - 100	3	20
Dibenz(a,h)anthracene	ND		7390	6880		ug/Kg	☼	93	50 - 107	2	21
Dibenzofuran	ND		7390	6410		ug/Kg	☼	87	52 - 100	1	19
3,3'-Dichlorobenzidine	ND		7390	5390		ug/Kg	☼	73	43 - 100	2	19
2,4-Dichlorophenol	ND		7390	6830		ug/Kg	☼	92	53 - 101	2	22
Diethyl phthalate	ND		7390	7240		ug/Kg	☼	98	48 - 104	1	20
2,4-Dimethylphenol	ND		7390	6010		ug/Kg	☼	81	51 - 101	2	32
Dimethyl phthalate	ND		7390	6690		ug/Kg	☼	90	53 - 100	2	21
Di-n-butyl phthalate	ND		7390	7370		ug/Kg	☼	100	57 - 102	3	20
4,6-Dinitro-2-methylphenol	ND		14800	8940		ug/Kg	☼	60	51 - 100	0	22
2,4-Dinitrophenol	ND		14800	6170		ug/Kg	☼	42	33 - 101	5	20
2,4-Dinitrotoluene	ND		7390	7200		ug/Kg	☼	97	54 - 104	0	20
2,6-Dinitrotoluene	ND		7390	6760		ug/Kg	☼	91	51 - 106	1	20
Di-n-octyl phthalate	ND		7390	6610		ug/Kg	☼	89	41 - 106	1	18
1,4-Dioxane	ND		7390	5050		ug/Kg	☼	68	25 - 125	8	17
Fluoranthene	ND		7390	7150		ug/Kg	☼	97	55 - 100	5	20
Fluorene	ND		7390	6650		ug/Kg	☼	90	52 - 100	0	19
Hexachlorobenzene	ND		7390	6370		ug/Kg	☼	86	49 - 100	4	20
Hexachlorobutadiene	ND		7390	6790		ug/Kg	☼	92	38 - 107	6	22
Hexachlorocyclopentadiene	ND	F1	7390	1060	F1	ug/Kg	☼	14	33 - 117	10	19
Hexachloroethane	ND		7390	6110		ug/Kg	☼	83	47 - 100	5	17
Indeno[1,2,3-cd]pyrene	ND		7390	6990		ug/Kg	☼	95	51 - 103	4	19
Isophorone	ND		7390	5850		ug/Kg	☼	79	48 - 105	3	20
2-Methylnaphthalene	ND		7390	6610		ug/Kg	☼	89	53 - 100	2	21
2-Methylphenol	ND		7390	6310		ug/Kg	☼	85	50 - 101	8	17
Methylphenol, 3 & 4	ND		7390	6780		ug/Kg	☼	92	50 - 103	3	19
Naphthalene	ND		7390	6250		ug/Kg	☼	85	51 - 100	2	20
2-Nitroaniline	ND		7390	8170		ug/Kg	☼	111	42 - 123	0	19
3-Nitroaniline	ND		7390	6030		ug/Kg	☼	82	50 - 103	3	20
4-Nitroaniline	ND		7390	6660		ug/Kg	☼	90	52 - 103	0	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159066-10 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440356
Prep Batch: 440259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene	ND		7390	7380		ug/Kg	☼	100	44 - 108	2	21
2-Nitrophenol	ND		7390	6680		ug/Kg	☼	90	55 - 107	3	19
4-Nitrophenol	ND		14800	17000		ug/Kg	☼	115	30 - 134	5	18
N-Nitrosodi-n-propylamine	ND		7390	7280		ug/Kg	☼	98	45 - 107	3	18
N-Nitrosodiphenylamine	ND		7390	6420		ug/Kg	☼	87	52 - 100	2	20
2,2'-oxybis[1-chloropropane]	ND		7390	5860		ug/Kg	☼	79	30 - 113	6	17
Pentachlorophenol	ND		14800	11600		ug/Kg	☼	78	42 - 110	5	20
Phenanthrene	ND		7390	6460		ug/Kg	☼	87	53 - 100	4	20
Phenol	ND		7390	6010		ug/Kg	☼	81	49 - 100	4	16
Pyrene	ND		7390	6490		ug/Kg	☼	88	52 - 100	3	20
1,2,4,5-Tetrachlorobenzene	ND		7390	6440		ug/Kg	☼	87	41 - 104	1	21
2,3,4,6-Tetrachlorophenol	ND		7390	6620		ug/Kg	☼	90	47 - 104	2	18
2,4,5-Trichlorophenol	ND		7390	6650		ug/Kg	☼	90	50 - 104	3	21
2,4,6-Trichlorophenol	ND		7390	6880		ug/Kg	☼	93	50 - 105	1	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 105*
2-Fluorophenol (Surr)	*80*		*48 - 105*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*
Phenol-d5 (Surr)	*81*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440198/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440226
Prep Batch: 440198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1221	ND		17	5.9	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1232	ND		17	4.1	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1242	ND		17	2.4	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1248	ND		17	4.0	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1254	ND		17	5.0	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1260	ND		17	4.7	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1262	ND		17	5.9	ug/Kg		07/12/23 16:34	07/13/23 15:19	1
PCB-1268	ND		17	2.2	ug/Kg		07/12/23 16:34	07/13/23 15:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*07/12/23 16:34*	*07/13/23 15:19*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/12/23 16:34*	*07/13/23 15:19*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*07/12/23 16:34*	*07/13/23 15:19*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*07/12/23 16:34*	*07/13/23 15:19*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-440198/2-C
Matrix: Solid
Analysis Batch: 440226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440198

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1260		ug/Kg		95	43 - 136		
PCB-1260			1330	1170		ug/Kg		88	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*

Lab Sample ID: 180-159066-10 MS
Matrix: Solid
Analysis Batch: 440226

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND	F2	1470	689		ug/Kg	☼	47	43 - 136		
PCB-1260	ND	F2 F1	1470	646	F1	ug/Kg	☼	44	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*48*	*S1-*	*63 - 138*
DCB Decachlorobiphenyl (Surr)	*45*	*S1-*	*63 - 138*
Tetrachloro-m-xylene (Surr)	*52*	*S1-*	*55 - 135*
Tetrachloro-m-xylene (Surr)	*52*	*S1-*	*55 - 135*

Lab Sample ID: 180-159066-10 MSD
Matrix: Solid
Analysis Batch: 440226

Client Sample ID: SSHS-ISMP-NAF-UT-S29
Prep Type: Total/NA
Prep Batch: 440198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F2	1490	1140	F2	ug/Kg	☼	76	43 - 136	49	40
PCB-1260	ND	F2 F1	1490	1080	F2	ug/Kg	☼	73	55 - 128	50	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440222/1-A
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.8	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Antimony	ND		0.96	0.29	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Arsenic	ND		0.96	0.60	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Barium	ND		19	3.4	mg/Kg		07/13/23 07:15	07/14/23 10:32	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-440222/1-A
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.38	0.10	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Cadmium	ND		0.48	0.071	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Calcium	ND		480	62	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Chromium	ND		0.48	0.44	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Cobalt	ND		4.8	0.68	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Copper	ND		2.4	1.5	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Iron	ND		9.6	9.4	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Lead	ND		0.96	0.84	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Magnesium	ND		480	53	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Manganese	ND		1.4	0.27	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Nickel	ND		3.8	0.48	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Potassium	ND		480	82	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Selenium	ND		0.96	0.44	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Silver	ND		0.48	0.10	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Sodium	ND		480	49	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Thallium	ND		1.9	0.27	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Vanadium	ND		4.8	0.76	mg/Kg		07/13/23 07:15	07/14/23 10:32	1
Zinc	ND		1.9	1.4	mg/Kg		07/13/23 07:15	07/14/23 10:32	1

Lab Sample ID: LCS 180-440222/2-A
Matrix: Solid
Analysis Batch: 440542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	472	472		mg/Kg		100	80 - 120
Antimony	23.6	23.3		mg/Kg		99	80 - 120
Arsenic	94.3	93.7		mg/Kg		99	80 - 120
Barium	94.3	94.0		mg/Kg		100	80 - 120
Beryllium	47.2	47.9		mg/Kg		102	80 - 120
Cadmium	47.2	45.6		mg/Kg		97	80 - 120
Calcium	2360	2390		mg/Kg		101	80 - 120
Chromium	47.2	47.8		mg/Kg		101	80 - 120
Cobalt	47.2	46.0		mg/Kg		98	80 - 120
Copper	47.2	49.6		mg/Kg		105	80 - 120
Iron	472	495		mg/Kg		105	80 - 120
Lead	47.2	46.2		mg/Kg		98	80 - 120
Magnesium	2360	2310		mg/Kg		98	80 - 120
Manganese	47.2	47.2		mg/Kg		100	80 - 120
Nickel	47.2	46.6		mg/Kg		99	80 - 120
Potassium	2360	2390		mg/Kg		101	80 - 120
Selenium	94.3	93.7		mg/Kg		99	80 - 120
Silver	23.6	23.1		mg/Kg		98	80 - 120
Sodium	2360	2490		mg/Kg		106	80 - 120
Thallium	94.3	90.4		mg/Kg		96	80 - 120
Vanadium	47.2	48.1		mg/Kg		102	80 - 120
Zinc	23.6	26.5		mg/Kg		112	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159066-10 MS
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440542
Prep Batch: 440222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9400		401	10500	4	mg/Kg	☼	256	75 - 125
Antimony	ND	F1	20.1	5.95	F1	mg/Kg	☼	30	75 - 125
Arsenic	6.7		80.2	74.8		mg/Kg	☼	85	75 - 125
Barium	36		80.2	109		mg/Kg	☼	90	75 - 125
Beryllium	0.44		40.1	33.4		mg/Kg	☼	82	75 - 125
Cadmium	0.53		40.1	32.2		mg/Kg	☼	79	75 - 125
Calcium	3100	F2 F1	2010	3810	F1	mg/Kg	☼	37	75 - 125
Chromium	11		40.1	45.3		mg/Kg	☼	86	75 - 125
Cobalt	7.2		40.1	48.1		mg/Kg	☼	102	75 - 125
Copper	18		40.1	57.0		mg/Kg	☼	97	75 - 125
Iron	17000		401	18800	4	mg/Kg	☼	468	75 - 125
Lead	8.7		40.1	51.9		mg/Kg	☼	108	75 - 125
Magnesium	2400		2010	4140		mg/Kg	☼	86	75 - 125
Manganese	300		40.1	585	4	mg/Kg	☼	698	75 - 125
Nickel	17		40.1	59.8		mg/Kg	☼	107	75 - 125
Potassium	650		2010	2240		mg/Kg	☼	79	75 - 125
Selenium	ND		80.2	66.9		mg/Kg	☼	83	75 - 125
Silver	ND		20.1	16.8		mg/Kg	☼	84	75 - 125
Sodium	ND		2010	1800		mg/Kg	☼	90	75 - 125
Thallium	ND		80.2	74.6		mg/Kg	☼	93	75 - 125
Vanadium	17		40.1	51.5		mg/Kg	☼	87	75 - 125
Zinc	45	F1	20.1	69.5		mg/Kg	☼	122	75 - 125

Lab Sample ID: 180-159066-10 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440542
Prep Batch: 440222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9400		390	10900	4	mg/Kg	☼	370	75 - 125	4	20
Antimony	ND	F1	19.5	6.40	F1	mg/Kg	☼	33	75 - 125	7	20
Arsenic	6.7		78.0	74.7		mg/Kg	☼	87	75 - 125	0	20
Barium	36		78.0	114		mg/Kg	☼	99	75 - 125	4	20
Beryllium	0.44		39.0	32.9		mg/Kg	☼	83	75 - 125	1	20
Cadmium	0.53		39.0	31.9		mg/Kg	☼	81	75 - 125	1	20
Calcium	3100	F2 F1	1950	7720	F1 F2	mg/Kg	☼	239	75 - 125	68	20
Chromium	11		39.0	44.9		mg/Kg	☼	87	75 - 125	1	20
Cobalt	7.2		39.0	48.5		mg/Kg	☼	106	75 - 125	1	20
Copper	18		39.0	59.2		mg/Kg	☼	106	75 - 125	4	20
Iron	17000		390	21900	4	mg/Kg	☼	1294	75 - 125	16	20
Lead	8.7		39.0	52.5		mg/Kg	☼	112	75 - 125	1	20
Magnesium	2400		1950	4810		mg/Kg	☼	123	75 - 125	15	20
Manganese	300		39.0	620	4	mg/Kg	☼	809	75 - 125	6	20
Nickel	17		39.0	61.9		mg/Kg	☼	115	75 - 125	3	20
Potassium	650		1950	2280		mg/Kg	☼	83	75 - 125	2	20
Selenium	ND		78.0	66.6		mg/Kg	☼	85	75 - 125	0	20
Silver	ND		19.5	16.7		mg/Kg	☼	86	75 - 125	0	20
Sodium	ND		1950	1830		mg/Kg	☼	94	75 - 125	1	20
Thallium	ND		78.0	74.5		mg/Kg	☼	95	75 - 125	0	20
Vanadium	17		39.0	51.0		mg/Kg	☼	88	75 - 125	1	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159066-10 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440542
Prep Batch: 440222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	45	F1	19.5	78.4	F1	mg/Kg	☼	171	75 - 125	12	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440221/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440415
Prep Batch: 440221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/13/23 09:00	07/14/23 08:32	1

Lab Sample ID: LCS 180-440221/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440415
Prep Batch: 440221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.437		mg/Kg		105	80 - 120

Lab Sample ID: 180-159066-10 MS
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440415
Prep Batch: 440221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.030	J	0.173	0.208		mg/Kg	☼	103	80 - 120

Lab Sample ID: 180-159066-10 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440415
Prep Batch: 440221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.030	J	0.168	0.197		mg/Kg	☼	100	80 - 120	5	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159066-10 DU
Client Sample ID: SSHS-ISMP-NAF-UT-S29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440189

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11.0		10.1		%		8	10
Percent Solids	89.0		89.9		%		0.9	10

GC/MS VOA

Prep Batch: 440287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	5035	
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	5035	
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	5035	
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	5035	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	5035	
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	5035	
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	5035	
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	5035	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	5035	
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	5035	
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	5035	
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	5035	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	5035	
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	5035	
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	5035	
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	5035	
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	5035	
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	5035	
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	5035	
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	5035	

Analysis Batch: 440379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	EPA 8260C	440287
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	EPA 8260C	440287
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	EPA 8260C	440287
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	EPA 8260C	440287
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	EPA 8260C	440287
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	EPA 8260C	440287
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	EPA 8260C	440287
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	EPA 8260C	440287
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8260C	440287
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	EPA 8260C	440287
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	EPA 8260C	440287
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	EPA 8260C	440287
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	EPA 8260C	440287
MB 180-440379/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440379/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440379/5	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8260C	440287
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8260C	440287

Analysis Batch: 440453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	EPA 8260C	440287
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	EPA 8260C	440287
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	EPA 8260C	440287
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	EPA 8260C	440287
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	EPA 8260C	440287
MB 180-440453/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440453/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

GC/MS VOA (Continued)

Analysis Batch: 440453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 180-440453/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Prep Batch: 440259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	3541	
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	3541	
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	3541	
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	3541	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	3541	
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	3541	
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	3541	
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	3541	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	3541	
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3541	
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	3541	
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	3541	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	3541	
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	3541	
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	3541	
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	3541	
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	3541	
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	3541	
MB 180-440259/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440259/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3541	
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3541	

Analysis Batch: 440291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440259/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440259
LCS 180-440259/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440259

Analysis Batch: 440356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	EPA 8270D	440259
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	EPA 8270D	440259
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	EPA 8270D	440259
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	EPA 8270D	440259
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	EPA 8270D	440259
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	EPA 8270D	440259
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	EPA 8270D	440259
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	EPA 8270D	440259
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	EPA 8270D	440259
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8270D	440259
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	EPA 8270D	440259
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	EPA 8270D	440259
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	EPA 8270D	440259
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	EPA 8270D	440259
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	EPA 8270D	440259

GC/MS Semi VOA (Continued)

Analysis Batch: 440356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	EPA 8270D	440259
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	EPA 8270D	440259
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	EPA 8270D	440259
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8270D	440259
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8270D	440259

GC Semi VOA

Prep Batch: 440198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	3541	
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	3541	
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	3541	
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	3541	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	3541	
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	3541	
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	3541	
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	3541	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	3541	
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3541	
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	3541	
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	3541	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	3541	
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	3541	
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	3541	
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	3541	
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	3541	
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	3541	
MB 180-440198/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-440198/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3541	
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3541	

Cleanup Batch: 440217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	3665A	440198
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	3665A	440198
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	3665A	440198
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	3665A	440198
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	3665A	440198
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	3665A	440198
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	3665A	440198
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	3665A	440198
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	3665A	440198
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3665A	440198
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	3665A	440198
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	3665A	440198
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	3665A	440198
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	3665A	440198
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	3665A	440198
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	3665A	440198

GC Semi VOA (Continued)

Cleanup Batch: 440217 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	3665A	440198
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	3665A	440198
MB 180-440198/1-C	Method Blank	Total/NA	Solid	3665A	440198
LCS 180-440198/2-C	Lab Control Sample	Total/NA	Solid	3665A	440198
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3665A	440198
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3665A	440198

Cleanup Batch: 440218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	3660B	440217
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	3660B	440217
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	3660B	440217
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	3660B	440217
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	3660B	440217
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	3660B	440217
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	3660B	440217
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	3660B	440217
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	3660B	440217
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3660B	440217
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	3660B	440217
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	3660B	440217
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	3660B	440217
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	3660B	440217
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	3660B	440217
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	3660B	440217
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	3660B	440217
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	3660B	440217
MB 180-440198/1-C	Method Blank	Total/NA	Solid	3660B	440217
LCS 180-440198/2-C	Lab Control Sample	Total/NA	Solid	3660B	440217
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3660B	440217
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3660B	440217

Analysis Batch: 440226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	EPA 8082A	440218
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	EPA 8082A	440218
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	EPA 8082A	440218
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	EPA 8082A	440218
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	EPA 8082A	440218
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	EPA 8082A	440218
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	EPA 8082A	440218
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	EPA 8082A	440218
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	EPA 8082A	440218
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8082A	440218
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	EPA 8082A	440218
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	EPA 8082A	440218
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	EPA 8082A	440218
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	EPA 8082A	440218
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	EPA 8082A	440218
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	EPA 8082A	440218
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	EPA 8082A	440218

GC Semi VOA (Continued)

Analysis Batch: 440226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	EPA 8082A	440218
MB 180-440198/1-C	Method Blank	Total/NA	Solid	EPA 8082A	440218
LCS 180-440198/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	440218
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8082A	440218
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 8082A	440218

Metals

Prep Batch: 440221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	7471B	
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	7471B	
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	7471B	
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	7471B	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	7471B	
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	7471B	
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	7471B	
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	7471B	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	7471B	
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	7471B	
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	7471B	
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	7471B	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	7471B	
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	7471B	
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	7471B	
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	7471B	
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	7471B	
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	7471B	
MB 180-440221/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440221/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	7471B	
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	7471B	

Prep Batch: 440222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	3050B	
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	3050B	
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	3050B	
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	3050B	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	3050B	
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	3050B	
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	3050B	
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	3050B	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	3050B	
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3050B	
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	3050B	
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	3050B	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	3050B	
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	3050B	
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	3050B	
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 440222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	3050B	
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	3050B	
MB 180-440222/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440222/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3050B	
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	3050B	

Analysis Batch: 440415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	EPA 7471B	440221
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	EPA 7471B	440221
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	EPA 7471B	440221
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	EPA 7471B	440221
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	EPA 7471B	440221
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	EPA 7471B	440221
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	EPA 7471B	440221
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	EPA 7471B	440221
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	EPA 7471B	440221
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 7471B	440221
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	EPA 7471B	440221
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	EPA 7471B	440221
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	EPA 7471B	440221
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	EPA 7471B	440221
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	EPA 7471B	440221
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	EPA 7471B	440221
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	EPA 7471B	440221
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	EPA 7471B	440221
MB 180-440221/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440221
LCS 180-440221/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440221
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 7471B	440221
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 7471B	440221

Analysis Batch: 440542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	EPA 6010C	440222
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	EPA 6010C	440222
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	EPA 6010C	440222
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	EPA 6010C	440222
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	EPA 6010C	440222
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	EPA 6010C	440222
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	EPA 6010C	440222
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	EPA 6010C	440222
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	EPA 6010C	440222
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 6010C	440222
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	EPA 6010C	440222
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	EPA 6010C	440222
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	EPA 6010C	440222
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	EPA 6010C	440222
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	EPA 6010C	440222
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	EPA 6010C	440222
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	EPA 6010C	440222

Metals (Continued)

Analysis Batch: 440542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	EPA 6010C	440222
MB 180-440222/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440222
LCS 180-440222/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440222
180-159066-10 MS	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 6010C	440222
180-159066-10 MSD	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	EPA 6010C	440222

Analysis Batch: 440639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	EPA 6010C	440222
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	EPA 6010C	440222

General Chemistry

Analysis Batch: 440180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	2540G	

Analysis Batch: 440182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	2540G	
180-159066-2	SSHS-ISMP-NAF-UT-S24	Total/NA	Solid	2540G	
180-159066-3	SSHS-ISMP-NAF-UT-S25	Total/NA	Solid	2540G	
180-159066-4	SSHS-ISMP-NAF-UT-B7	Total/NA	Solid	2540G	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	2540G	

Analysis Batch: 440189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-6	SSHS-ISMP-NAF-UT-S26	Total/NA	Solid	2540G	
180-159066-7	SSHS-ISMP-NAF-UT-S27	Total/NA	Solid	2540G	
180-159066-8	SSHS-ISMP-NAF-DUP11A	Total/NA	Solid	2540G	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	2540G	
180-159066-10	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	2540G	
180-159066-11	SSHS-ISMP-NAF-UT-S30	Total/NA	Solid	2540G	
180-159066-12	SSHS-ISMP-NAF-UT-S31	Total/NA	Solid	2540G	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	2540G	
180-159066-14	SSHS-ISMP-NAF-UT-S33	Total/NA	Solid	2540G	
180-159066-15	SSHS-ISMP-NAF-UT-S34	Total/NA	Solid	2540G	
180-159066-16	SSHS-ISMP-NAF-UT-B9	Total/NA	Solid	2540G	
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	2540G	
180-159066-10 DU	SSHS-ISMP-NAF-UT-S29	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	Z Miller/ M Stelmach	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	[redacted]	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-ISMP-NAF-UT-S23	7/11/23	1430	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S24	7/11/23	1435	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S25	7/11/23	1440	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-B7	7/11/23	1445	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-B8	7/11/23	1450	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S26	7/11/23	1530	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S27	7/11/23	1535	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-DUP11A	7/11/23	--	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S28	7/11/23	1540	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S29	7/11/23	1545	G	S	N	Y	X	X	X	X										16	
SSHS-ISMP-NAF-UT-S30	7/11/23	1550	G	S	N	N	X	X	X	X											
SSHS-ISMP-NAF-UT-S31	7/11/23	1555	G	S	N	N	X	X	X	X											

180-159066 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by: Miranda Jones	7/11/23/1800	Geosyntec			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/12/23 0946	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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7/18/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	Z Miller/ M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S32	7/11/23	1600	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S33	7/11/23	1605	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S34	7/11/23	1610	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B9	7/11/23	1615	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B10	7/11/23	1620	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-DUP12A	7/11/23	--	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Ann	Date/Time: 7/11/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/12/23 0946	Company: SPH
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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7/18/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-159066 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S23	7/11/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S24	7/11/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S25	7/11/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B7	7/11/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B8	7/11/23	1450	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S26	7/11/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S27	7/11/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP11A	7/11/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S28	7/11/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S29	7/11/23	1545	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-UT-S30	7/11/23	1550	G	S	N	N	X	X	X	X										
SSHS-ISMP-NAF-UT-S31	7/11/23	1555	G	S	N	N	X	X	X	X										

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S32	7/11/23	1600	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S33	7/11/23	1605	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S34	7/11/23	1610	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B9	7/11/23	1615	G	S	N	N	X	X	X	X									6	
~~SSHS-ISMP-NAF-UT-B10~~	~~7/11/23~~	~~1620~~	~~G~~	~~S~~	~~N~~	~~N~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~							~~8~~	
SSHS-ISMP-NAF-DUP12A	7/11/23	–	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	7/11/23/1800	Geosyntec	[signature]	7/12/23 915	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes



Job: _____

Tracking #: 7727 0138 0179

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: ✓

Cooler ID: ✓

Temp Observed: 4.2 °C Corrected: 4.2 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 7/12/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☒	☐
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SP Date: 7-12-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: SP Date: 7-12-23

WR325B

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159066-1

Login Number: 159066
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/18/2023 4:27:22 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159066-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/18/2023 4:27:22 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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QC Sample Results 17
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Receipt Checklists 28

Job ID: 180-159066-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159066-2

Receipt
The samples were received on 7/12/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 3.3º C, 3.4º C, 3.5º C, 3.6º C, 3.6º C, 4.1º C and 4.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159066-1	SSHS-ISMP-NAF-UT-S23	Solid	07/11/23 14:30	07/12/23 09:46
180-159066-5	SSHS-ISMP-NAF-UT-B8	Solid	07/11/23 14:50	07/12/23 09:46
180-159066-9	SSHS-ISMP-NAF-UT-S28	Solid	07/11/23 15:40	07/12/23 09:46
180-159066-13	SSHS-ISMP-NAF-UT-S32	Solid	07/11/23 16:00	07/12/23 09:46
180-159066-17	SSHS-ISMP-NAF-UT-B10	Solid	07/11/23 16:20	07/12/23 09:46
180-159066-18	SSHS-ISMP-NAF-DUP12A	Solid	07/11/23 00:00	07/12/23 09:46

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1
Date Collected: 07/11/23 14:30
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 14:45	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 14:56	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9
Date Collected: 07/11/23 15:40
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.39 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 15:07	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13
Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 15:19	C1P	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17
Date Collected: 07/11/23 16:20
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.47 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 15:30	C1P	EET SAC
	Instrument ID: A18									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18

Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	690142	07/13/23 04:35	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690611	07/14/23 15:41	C1P	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

EJR = Eduardo Rangel

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client Sample ID: SSHS-ISMP-NAF-UT-S23
Lab Sample ID: 180-159066-1

Date Collected: 07/11/23 14:30
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 94.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 14:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C5 PFPeA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C2 PFHxA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C4 PFHpA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C4 PFOA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C5 PFNA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C2 PFDA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C2 PFUnA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C2 PFDoA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C3 PFBS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
18O2 PFHxS	*77*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C4 PFOS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
13C8 FOSA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:45*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B8
Lab Sample ID: 180-159066-5
Date Collected: 07/11/23 14:50
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 90.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.069**	**J**	0.21	0.049	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 14:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C5 PFPeA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C2 PFHxA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C5 PFNA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C2 PFDA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C2 PFUnA	*103*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C3 PFBS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
18O2 PFHxS	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C4 PFOS	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
13C8 FOSA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*07/13/23 04:35*	*07/14/23 14:56*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S28
Lab Sample ID: 180-159066-9

Date Collected: 07/11/23 15:40
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 89.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.057**	**J**	0.21	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 15:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C5 PFPeA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C5 PFNA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C2 PFDA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C2 PFUnA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C3 PFBS	*81*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
18O2 PFHxS	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C4 PFOS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
13C8 FOSA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:07*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S32
Lab Sample ID: 180-159066-13
Date Collected: 07/11/23 16:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 84.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 15:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C2 PFHxA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C4 PFHpA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C4 PFOA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C5 PFNA	*100*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C2 PFDA	*107*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C2 PFUnA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C3 PFBS	*83*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
18O2 PFHxS	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C4 PFOS	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
13C8 FOSA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
d5-NEtFOSAA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:19*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B10
Lab Sample ID: 180-159066-17

Date Collected: 07/11/23 16:20
Matrix: Solid

Date Received: 07/12/23 09:46
Percent Solids: 87.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 15:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C5 PFPeA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C4 PFHpA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C5 PFNA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C2 PFDA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C2 PFTeDA	*67*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C3 PFBS	*75*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
18O2 PFHxS	*77*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C4 PFOS	*76*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
13C8 FOSA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:30*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Lab Sample ID: 180-159066-18
Date Collected: 07/11/23 00:00
Matrix: Solid
Date Received: 07/12/23 09:46
Percent Solids: 86.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	07/13/23 04:35	07/14/23 15:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C5 PFPeA	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C2 PFHxA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C4 PFHpA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C4 PFOA	*97*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C2 PFUnA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C2 PFDoA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C3 PFBS	*85*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
18O2 PFHxS	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C4 PFOS	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
13C8 FOSA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 15:41*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-690142/1-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/13/23 04:35	07/14/23 12:42	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/13/23 04:35	07/14/23 12:42	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C5 PFPeA	*91*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFHxA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFOA	*98*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C5 PFNA	*102*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFDA	*101*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C3 PFBS	*89*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
18O2 PFHxS	*88*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C4 PFOS	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
13C8 FOSA	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/13/23 04:35*	*07/14/23 12:42*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-690142/2-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		100	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		95	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.95		ug/Kg		97	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.16		ug/Kg		108	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.87		ug/Kg		93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.10		ug/Kg		105	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.74		ug/Kg		98	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.82		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.97		ug/Kg		103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.89		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.77		ug/Kg		92	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.11		ug/Kg		106	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.04		ug/Kg		107	73 - 139
8:2 FTS	1.92	1.89		ug/Kg		98	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*98*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*101*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*104*		*25 - 150*
13C2 PFDA	*110*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*99*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*92*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*94*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-690142/2-A
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690142

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*88*		*25 - 150*
M2-8:2 FTS	*99*		*25 - 150*

Lab Sample ID: 180-159066-18 MS
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Prep Type: Total/NA
Prep Batch: 690142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.14	2.20		ug/Kg	☼	103	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.14	2.05		ug/Kg	☼	96	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.14	2.13		ug/Kg	☼	100	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.14	2.16		ug/Kg	☼	101	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.14	2.10		ug/Kg	☼	98	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.14	2.26		ug/Kg	☼	105	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.14	2.12		ug/Kg	☼	99	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.14	2.08		ug/Kg	☼	97	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.14	2.30		ug/Kg	☼	107	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.14	2.10		ug/Kg	☼	98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.14	2.02		ug/Kg	☼	94	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.90	1.91		ug/Kg	☼	101	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.95	1.91		ug/Kg	☼	98	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.04	2.18		ug/Kg	☼	107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.99	2.01		ug/Kg	☼	101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.06	2.02		ug/Kg	☼	98	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.14	2.12		ug/Kg	☼	99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.14	2.11		ug/Kg	☼	99	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.14	2.05		ug/Kg	☼	96	72 - 132
6:2 FTS	ND		2.04	2.24		ug/Kg	☼	110	73 - 139
8:2 FTS	ND		2.05	2.05		ug/Kg	☼	100	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*37*		*25 - 150*
13C5 PFPeA	*90*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*102*		*25 - 150*
13C2 PFDA	*104*		*25 - 150*
13C2 PFUnA	*100*		*25 - 150*
13C2 PFDoA	*96*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159066-18 MS
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Prep Type: Total/NA
Prep Batch: 690142

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	85		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	90		25 - 150
13C8 FOSA	99		25 - 150
d3-NMeFOSAA	96		25 - 150
d5-NEtFOSAA	99		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	95		25 - 150

Lab Sample ID: 180-159066-18 MSD
Matrix: Solid
Analysis Batch: 690611

Client Sample ID: SSHS-ISMP-NAF-DUP12A
Prep Type: Total/NA
Prep Batch: 690142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.27	2.19		ug/Kg	☼	97	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	ND		2.27	2.25		ug/Kg	☼	99	69 - 129	9	30
Perfluorohexanoic acid (PFHxA)	ND		2.27	2.19		ug/Kg	☼	96	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.27	2.31		ug/Kg	☼	102	71 - 131	7	30
Perfluorooctanoic acid (PFOA)	ND		2.27	2.35		ug/Kg	☼	104	72 - 132	11	30
Perfluorononanoic acid (PFNA)	ND		2.27	2.44		ug/Kg	☼	107	73 - 133	8	30
Perfluorodecanoic acid (PFDA)	ND		2.27	2.29		ug/Kg	☼	101	72 - 132	8	30
Perfluoroundecanoic acid (PFUnA)	ND		2.27	2.37		ug/Kg	☼	105	66 - 126	13	30
Perfluorododecanoic acid (PFDoA)	ND		2.27	2.36		ug/Kg	☼	104	71 - 131	3	30
Perfluorotridecanoic acid (PFTriA)	ND		2.27	2.21		ug/Kg	☼	97	71 - 131	5	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.27	2.41		ug/Kg	☼	106	67 - 127	18	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.01	1.97		ug/Kg	☼	98	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.07	1.89		ug/Kg	☼	91	62 - 122	1	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.16	2.14		ug/Kg	☼	99	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.11	2.04		ug/Kg	☼	96	68 - 141	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.19	1.89		ug/Kg	☼	86	71 - 131	7	30
Perfluorooctanesulfonamide (FOSA)	ND		2.27	2.30		ug/Kg	☼	101	77 - 137	8	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.27	2.38		ug/Kg	☼	105	72 - 132	12	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.27	2.25		ug/Kg	☼	99	72 - 132	9	30
6:2 FTS	ND		2.16	2.31		ug/Kg	☼	107	73 - 139	3	30
8:2 FTS	ND		2.18	2.22		ug/Kg	☼	102	75 - 135	8	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	78		25 - 150
13C5 PFPeA	97		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159066-18 MSD
Client Sample ID: SSHS-ISMP-NAF-DUP12A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 690611
Prep Batch: 690142

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	100		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	74		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	97		25 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	97		25 - 150
M2-6:2 FTS	93		25 - 150
M2-8:2 FTS	92		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159066-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 690142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	SHAKE	
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	SHAKE	
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	SHAKE	
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	SHAKE	
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	SHAKE	
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	SHAKE	
MB 320-690142/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-690142/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-159066-18 MS	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	SHAKE	
180-159066-18 MSD	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	SHAKE	

Analysis Batch: 690611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159066-1	SSHS-ISMP-NAF-UT-S23	Total/NA	Solid	537 (modified)	690142
180-159066-5	SSHS-ISMP-NAF-UT-B8	Total/NA	Solid	537 (modified)	690142
180-159066-9	SSHS-ISMP-NAF-UT-S28	Total/NA	Solid	537 (modified)	690142
180-159066-13	SSHS-ISMP-NAF-UT-S32	Total/NA	Solid	537 (modified)	690142
180-159066-17	SSHS-ISMP-NAF-UT-B10	Total/NA	Solid	537 (modified)	690142
180-159066-18	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	537 (modified)	690142
MB 320-690142/1-A	Method Blank	Total/NA	Solid	537 (modified)	690142
LCS 320-690142/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	690142
180-159066-18 MS	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	537 (modified)	690142
180-159066-18 MSD	SSHS-ISMP-NAF-DUP12A	Total/NA	Solid	537 (modified)	690142

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	Z Miller/ M Stelmach 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656 1 Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address	Due Date Requested	TAT Requested (days)	PO #	WO #	Project #:	SSOW#
10211 Wincopin Circle 4th Floor		3-Day	MN0832I		18013464	

City	State, Zip	Phone	Email	Project Name	Site
Columbia	MD, 21044	40-381-4333	akrasnopoler@geosyntec.com	Former Sperry Remington Site	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S23	7/11/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S24	7/11/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S25	7/11/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B7	7/11/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B8	7/11/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S26	7/11/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S27	7/11/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP11A	7/11/23	--	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S28	7/11/23	1540	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S29	7/11/23	1545	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-S30	7/11/23	1550	G	S	N	N	X	X	X	X				
SSHS-ISMP-NAF-UT-S31	7/11/23	1555	G	S	N	N	X	X	X	X				

180-159066 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Miranda Orr	7/11/23/1800	Geosyntec		7/12/23 0946	ESSPT
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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7/18/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	Z Miller/ M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S32	7/11/23	1600	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S33	7/11/23	1605	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S34	7/11/23	1610	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B9	7/11/23	1615	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B10	7/11/23	1620	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-DUP12A	7/11/23	--	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Ann	Date/Time: 7/11/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/12/23 0946	Company: SPH
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks.

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-159066 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S23	7/11/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S24	7/11/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S25	7/11/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B7	7/11/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B8	7/11/23	1450	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S26	7/11/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S27	7/11/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP11A	7/11/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S28	7/11/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S29	7/11/23	1545	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-UT-S30	7/11/23	1550	G	S	N	N	X	X	X	X										
SSHS-ISMP-NAF-UT-S31	7/11/23	1555	G	S	N	N	X	X	X	X										

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Keller	Date/Time: 7/11/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/12/23 915	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

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7/18/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S32	7/11/23	1600	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S33	7/11/23	1605	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S34	7/11/23	1610	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B9	7/11/23	1615	G	S	N	N	X	X	X	X									6	
~~SSHS-ISMP-NAF-UT-B10~~	~~7/11/23~~	~~1620~~	~~G~~	~~S~~	~~N~~	~~N~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~							~~8~~	
SSHS-ISMP-NAF-DUP12A	7/11/23	–	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: [signature]	Date/Time: 7/11/23/1800	Company: Geosyntec	Received by: [signature]	Date/Time: 7/12/23 915	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.2

Ver: 01/16/2019

7/18/2023

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Sacramento
Sample Receiving Notes



Job: _____

Tracking #: 7727 0138 0179

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: C10 Corr. Factor: (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal: ✓

Cooler ID: ✓

Temp Observed: 4.2 °C Corrected: 4.2 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 7/12/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☒	☐
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SP Date: 7-12-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: SP Date: 7-12-23

WR325B

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159066-2

Login Number: 159066
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159066-2

Login Number: 159066
List Number: 2
Creator: Pratali, Sandra A

List Source: Eurofins Sacramento
List Creation: 07/12/23 07:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/21/2023 4:47:49 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159350-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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Job ID: 180-159350-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159350-1

Receipt
The samples were received on 7/15/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.2º C, 3.4º C and 4.4º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-440759 was above the control limits for the following analyte: Acetone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440759 was below criteria for the following analytes: 2-Hexanone, 4-Methyl-2-pentanone, Bromoform, and 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440759 was above criteria for the following analytes: Chloromethane, Trichlorofluoromethane, and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate Phenol-d5 for the following sample was above the control limits: SSHS-IRM5A2-AREAF-B4 (180-159350-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: The recovery of surrogate Phenol-d5 was above the control limits for the following sample: SSHS-IRM5A2-AREAF-S3 (180-159350-8). As the surrogate recovery was high and there were no target analytes detected in the sample, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-AREAF-B1 (180-159350-1) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440613 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-IRM5A2-AREAF-S1 (180-159350-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: SSHS-IRM5A2-AREAF-B2 (180-159350-2). All analytes referencing the yttrium internal standard required dilution due to the yttrium internal standard counts being above the 70%-130% control limits.

Method 6010C: Sample SSHS-IRM5A2-AREAF-B2 (180-159350-2) in analytical batch 180-441111 was analyzed at a 5x dilution. The raw data incorrectly shows a dilution factor of 25x.

Job ID: 180-159350-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-AREAF-B1 (180-159350-1) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-AREAF-B1 (180-159350-1) were diluted to bring the concentration of mercury within the instrument's calibration range. The parent sample was also analyzed at a dilution. Elevated reporting limits (RLs) are provided.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-AREAF-B1 (180-159350-1) had the recoveries and RPD between the spikes for mercury above the control limits. The recovery of the laboratory control sample was within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159350-1	SSHS-IRM5A2-AREAF-B1	Solid	07/14/23 15:00	07/15/23 09:59
180-159350-2	SSHS-IRM5A2-AREAF-B2	Solid	07/14/23 15:05	07/15/23 09:59
180-159350-3	SSHS-IRM5A2-AREAF-B3	Solid	07/14/23 15:10	07/15/23 09:59
180-159350-4	SSHS-IRM5A2-AREAF-B4	Solid	07/14/23 15:15	07/15/23 09:59
180-159350-5	SSHS-IRM5A2-AREAF-B5	Solid	07/14/23 15:20	07/15/23 09:59
180-159350-6	SSHS-IRM5A2-AREAF-S1	Solid	07/14/23 15:25	07/15/23 09:59
180-159350-7	SSHS-IRM5A2-AREAF-S2	Solid	07/14/23 15:30	07/15/23 09:59
180-159350-8	SSHS-IRM5A2-AREAF-S3	Solid	07/14/23 15:35	07/15/23 09:59
180-159350-9	SSHS-IRM5A2-DUP305	Solid	07/14/23 00:00	07/15/23 09:59

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1
Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1
Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 14:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 09:27	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 13:34	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.56 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 09:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		5			440672	07/18/23 09:12	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2
Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2
Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3046 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 14:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 10:32	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2
Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 14:27	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.75 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.75 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			441111	07/21/23 14:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:01	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3
Date Collected: 07/14/23 15:10
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3
Date Collected: 07/14/23 15:10
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 15:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 10:54	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 14:45	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.58 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:02	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-B4
Lab Sample ID: 180-159350-4
Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-B4
Lab Sample ID: 180-159350-4
Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5598 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 15:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 11:16	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 15:03	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.58 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6023 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 16:02	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 11:38	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 15:20	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.59 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.59 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441111	07/21/23 14:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6
Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6
Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4467 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 16:25	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 12:00	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		10	1 mL	1 mL	440736	07/19/23 08:14	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.86 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.86 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441111	07/21/23 14:31	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6
Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.65 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:06	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7
Date Collected: 07/14/23 15:30
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7
Date Collected: 07/14/23 15:30
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3679 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 16:48	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 12:22	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 15:55	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.69 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.69 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441111	07/21/23 14:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:19	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-AREAF-S3
Lab Sample ID: 180-159350-8
Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-AREAF-S3
Lab Sample ID: 180-159350-8

Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6279 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 17:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 12:44	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 16:13	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.68 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.68 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441111	07/21/23 14:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:20	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9

Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440469	07/15/23 15:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9

Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3356 g	5 mL	440796	07/19/23 07:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 19:04	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440540	07/17/23 08:22	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440613	07/18/23 13:06	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	440539	07/17/23 08:16	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440608	07/18/23 05:08	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440609	07/18/23 05:09	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440610	07/18/23 16:31	JMO	EET PIT
	Instrument ID: CHGC20									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9
Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.61 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441082	07/21/23 10:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.61 g	50 mL	440553	07/17/23 11:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441111	07/21/23 14:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440531	07/17/23 08:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440672	07/18/23 09:21	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- MEG = Megan Gray
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1
Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	25	3.9	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1

Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*07/19/23 07:27*	*07/19/23 14:32*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*07/19/23 07:27*	*07/19/23 14:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*07/19/23 07:27*	*07/19/23 14:32*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*07/19/23 07:27*	*07/19/23 14:32*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Acenaphthylene	**83**		72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Acetophenone	ND		720	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Anthracene	**96**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Atrazine	ND	F1	720	160	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Benzaldehyde	ND	F1	720	45	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Benzo[a]anthracene	**580**		72	32	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Benzo[a]pyrene	**630**		72	31	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Benzo[b]fluoranthene	**680**		72	18	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Benzo[g,h,i]perylene	**420**		72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Benzo[k]fluoranthene	**340**		72	22	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Bis(2-ethylhexyl) phthalate	ND	F1	3600	380	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Butyl benzyl phthalate	ND	F1	360	250	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Carbazole	ND		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Chrysene	**570**		72	40	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Dibenz(a,h)anthracene	**100**		72	46	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Di-n-butyl phthalate	ND	F1	360	160	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1
Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Di-n-octyl phthalate	ND	F1	360	210	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Fluoranthene	**760**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Fluorene	ND		72	14	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Hexachlorocyclopentadiene	ND	F1	360	37	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Indeno[1,2,3-cd]pyrene	**360**		72	36	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Isophorone	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2-Methylnaphthalene	**46**	**J**	72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Naphthalene	**97**		72	14	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
N-Nitrosodiphenylamine	ND	F1	360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Phenanthrene	**270**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Phenol	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
Pyrene	**730**		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*07/17/23 08:22*	*07/18/23 09:27*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*07/17/23 08:22*	*07/18/23 09:27*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*07/17/23 08:22*	*07/18/23 09:27*	*1*
Phenol-d5 (Surr)	*85*		*46 - 105*	*07/17/23 08:22*	*07/18/23 09:27*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*07/17/23 08:22*	*07/18/23 09:27*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/17/23 08:22*	*07/18/23 09:27*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1260	**10**	**J**	18	5.0	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1

Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.2	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/17/23 08:16	07/18/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/17/23 08:16*	*07/18/23 13:34*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*07/17/23 08:16*	*07/18/23 13:34*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*07/17/23 08:16*	*07/18/23 13:34*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*07/17/23 08:16*	*07/18/23 13:34*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		19	4.8	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Antimony	**0.50**	**J F1**	0.96	0.29	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Arsenic	**7.5**		0.96	0.60	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Barium	**76**		19	3.4	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Beryllium	**0.44**		0.39	0.11	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Cadmium	**0.77**		0.48	0.071	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Calcium	**8300**	**F1**	480	62	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Chromium	**13**		0.48	0.44	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Cobalt	**6.9**		4.8	0.68	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Copper	**44**		2.4	1.5	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Iron	**20000**		9.6	9.4	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Lead	**36**		0.96	0.84	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Magnesium	**3100**		480	53	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Manganese	**270**	**F1**	1.4	0.27	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Nickel	**21**		3.9	0.49	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Potassium	**730**		480	82	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Selenium	ND		0.96	0.44	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Sodium	**50**	**J**	480	49	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Vanadium	**14**		4.8	0.76	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1
Zinc	**65**		1.9	1.4	mg/Kg	☼	07/17/23 11:40	07/21/23 09:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.90**	**F2**	0.17	0.11	mg/Kg	☼	07/17/23 08:55	07/18/23 09:12	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.3**		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	**92.7**		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2

Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2
Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2

Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/19/23 07:27	07/19/23 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*07/19/23 07:27*	*07/19/23 14:54*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/19/23 07:27*	*07/19/23 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*07/19/23 07:27*	*07/19/23 14:54*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*07/19/23 07:27*	*07/19/23 14:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Acenaphthylene	**31**	**J**	72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Acetophenone	ND		720	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Anthracene	**44**	**J**	72	18	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Atrazine	ND		720	160	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Benzaldehyde	ND		720	44	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Benzo[a]anthracene	**160**		72	32	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Benzo[a]pyrene	**190**		72	31	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Benzo[b]fluoranthene	**170**		72	18	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Benzo[g,h,i]perylene	**120**		72	15	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Benzo[k]fluoranthene	**92**		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Carbazole	ND		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Chrysene	**170**		72	40	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2
Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Fluoranthene	**290**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Fluorene	ND		72	14	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Hexachloroethane	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Indeno[1,2,3-cd]pyrene	**100**		72	35	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Isophorone	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Naphthalene	ND		72	14	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Phenanthrene	**170**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Phenol	ND		350	110	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
Pyrene	**280**		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/17/23 08:22*	*07/18/23 10:32*	*1*
2-Fluorophenol (Surr)	*97*		*48 - 105*	*07/17/23 08:22*	*07/18/23 10:32*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*07/17/23 08:22*	*07/18/23 10:32*	*1*
Phenol-d5 (Surr)	*97*		*46 - 105*	*07/17/23 08:22*	*07/18/23 10:32*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/17/23 08:22*	*07/18/23 10:32*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*07/17/23 08:22*	*07/18/23 10:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1248	**58**		18	4.3	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1254	**60**		18	5.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:27	1

Client Sample ID: SSHS-IRM5A2-AREAF-B2
Lab Sample ID: 180-159350-2

Date Collected: 07/14/23 15:05
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*07/17/23 08:16*	*07/18/23 14:27*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/17/23 08:16*	*07/18/23 14:27*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/17/23 08:16*	*07/18/23 14:27*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/17/23 08:16*	*07/18/23 14:27*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17000**		72	18	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Antimony	**0.27**	**J**	0.72	0.22	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Arsenic	**9.3**		0.72	0.45	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Barium	**120**		72	13	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Beryllium	**0.96**	**J**	1.4	0.39	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Cadmium	**0.84**		0.36	0.053	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Calcium	**17000**		1800	230	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Chromium	**14**		0.36	0.33	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Cobalt	**10**		3.6	0.51	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Copper	**63**		1.8	1.1	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Iron	**24000**		36	35	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Lead	**46**		0.72	0.63	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Magnesium	**4600**		1800	200	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Manganese	**450**		5.4	1.0	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Nickel	**34**		2.9	0.36	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Potassium	**1200**	**J**	1800	310	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Selenium	ND		0.72	0.33	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Silver	ND		0.36	0.075	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Sodium	ND		1800	180	mg/Kg	☼	07/17/23 11:40	07/21/23 14:20	5
Thallium	ND		1.4	0.20	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Vanadium	**14**		3.6	0.57	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1
Zinc	**110**		1.4	1.0	mg/Kg	☼	07/17/23 11:40	07/21/23 10:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.032	0.020	mg/Kg	☼	07/17/23 08:55	07/18/23 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.6**		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	**92.4**		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3

Date Collected: 07/14/23 15:10
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	25	3.9	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3
Date Collected: 07/14/23 15:10
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 90.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Dichlorobromomethane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Methylene Chloride	ND		5.0	4.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Toluene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:17	1

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3

Date Collected: 07/14/23 15:10
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 90.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*07/19/23 07:27*	*07/19/23 15:17*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/19/23 07:27*	*07/19/23 15:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*07/19/23 07:27*	*07/19/23 15:17*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*07/19/23 07:27*	*07/19/23 15:17*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Acenaphthylene	**360**		73	16	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Acetophenone	ND		730	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Anthracene	**150**		73	19	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Atrazine	ND		730	160	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Benzo[a]anthracene	**300**		73	33	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Benzo[a]pyrene	**430**		73	32	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Benzo[b]fluoranthene	**430**		73	18	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Benzo[g,h,i]perylene	**710**		73	16	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Benzo[k]fluoranthene	**160**		73	22	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Carbazole	**43**	**J**	73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Chrysene	**340**		73	41	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Dibenz(a,h)anthracene	**97**		73	47	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Fluoranthene	**360**		73	19	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Fluorene	**42**	**J**	73	14	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3

Date Collected: 07/14/23 15:10
Matrix: Solid

Date Received: 07/15/23 09:59
Percent Solids: 90.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Indeno[1,2,3-cd]pyrene	**420**		73	36	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Isophorone	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2-Methylnaphthalene	**130**		73	18	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Naphthalene	**410**		73	14	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Phenanthrene	**220**		73	20	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Phenol	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
Pyrene	**450**		73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*07/17/23 08:22*	*07/18/23 10:54*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*07/17/23 08:22*	*07/18/23 10:54*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*07/17/23 08:22*	*07/18/23 10:54*	*1*
Phenol-d5 (Surr)	*88*		*46 - 105*	*07/17/23 08:22*	*07/18/23 10:54*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/17/23 08:22*	*07/18/23 10:54*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*07/17/23 08:22*	*07/18/23 10:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1254	**72**		18	5.5	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/17/23 08:16	07/18/23 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/17/23 08:16*	*07/18/23 14:45*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/17/23 08:16*	*07/18/23 14:45*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/17/23 08:16*	*07/18/23 14:45*	*1*

Client Sample ID: SSHS-IRM5A2-AREAF-B3
Lab Sample ID: 180-159350-3
Date Collected: 07/14/23 15:10
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 90.7

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/17/23 08:16*	*07/18/23 14:45*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		19	4.7	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Antimony	**0.33**	**J**	0.95	0.29	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Arsenic	**7.6**		0.95	0.60	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Barium	**95**		19	3.4	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Beryllium	**0.44**		0.38	0.10	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Cadmium	**0.75**		0.48	0.070	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Calcium	**5700**		480	61	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Chromium	**12**		0.48	0.43	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Cobalt	**7.3**		4.8	0.67	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Copper	**31**		2.4	1.4	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Iron	**17000**		9.5	9.3	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Lead	**49**		0.95	0.83	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Magnesium	**2200**		480	52	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Manganese	**540**		1.4	0.26	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Nickel	**19**		3.8	0.48	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Potassium	**600**		480	81	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Selenium	ND		0.95	0.44	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Silver	ND		0.48	0.099	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Sodium	**54**	**J**	480	49	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Vanadium	**15**		4.8	0.75	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1
Zinc	**80**		1.9	1.4	mg/Kg	☼	07/17/23 11:40	07/21/23 10:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.036	0.023	mg/Kg	☼	07/17/23 08:55	07/18/23 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.3**		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	**90.7**		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-B4
Lab Sample ID: 180-159350-4
Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B4
Lab Sample ID: 180-159350-4
Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/19/23 07:27	07/19/23 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*07/19/23 07:27*	*07/19/23 15:40*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*07/19/23 07:27*	*07/19/23 15:40*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B4
Lab Sample ID: 180-159350-4
Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*07/19/23 07:27*	*07/19/23 15:40*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/19/23 07:27*	*07/19/23 15:40*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**	**J**	76	22	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Acenaphthylene	**570**		76	17	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Acetophenone	ND		760	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Anthracene	**570**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Atrazine	ND		760	170	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Benzo[a]anthracene	**1700**		76	34	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Benzo[a]pyrene	**1800**		76	33	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Benzo[b]fluoranthene	**1900**		76	19	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Benzo[g,h,i]perylene	**1400**		76	16	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Benzo[k]fluoranthene	**860**		76	23	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Carbazole	**100**		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Chrysene	**1700**		76	42	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Dibenz(a,h)anthracene	**330**		76	49	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,4-Dinitrophenol	ND		3700	2400	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Fluoranthene	**2300**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Fluorene	**92**		76	15	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1

Client Sample ID: SSHS-IRM5A2-AREAF-B4
Lab Sample ID: 180-159350-4

Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Indeno[1,2,3-cd]pyrene	**1100**		76	38	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Isophorone	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2-Methylnaphthalene	**200**		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Naphthalene	**470**		76	15	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Phenanthrene	**1200**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Phenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
Pyrene	**2400**		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*44 - 105*	*07/17/23 08:22*	*07/18/23 11:16*	*1*
2-Fluorophenol (Surr)	*104*		*48 - 105*	*07/17/23 08:22*	*07/18/23 11:16*	*1*
Nitrobenzene-d5 (Surr)	*101*		*46 - 105*	*07/17/23 08:22*	*07/18/23 11:16*	*1*
Phenol-d5 (Surr)	*106*	*S1+*	*46 - 105*	*07/17/23 08:22*	*07/18/23 11:16*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/17/23 08:22*	*07/18/23 11:16*	*1*
2,4,6-Tribromophenol (Surr)	*95*		*34 - 108*	*07/17/23 08:22*	*07/18/23 11:16*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1254	**120**		19	5.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/17/23 08:16	07/18/23 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*07/17/23 08:16*	*07/18/23 15:03*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*07/17/23 08:16*	*07/18/23 15:03*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/17/23 08:16*	*07/18/23 15:03*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/17/23 08:16*	*07/18/23 15:03*	*1*

Client Sample ID: SSHS-IRM5A2-AREAF-B4

Lab Sample ID: 180-159350-4
Date Collected: 07/14/23 15:15
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.9

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6900		20	5.0	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Antimony	1.1		0.99	0.30	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Arsenic	15		0.99	0.62	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Barium	260		20	3.5	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Beryllium	0.48		0.40	0.11	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Cadmium	1.6		0.50	0.073	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Calcium	6300		500	64	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Chromium	21		0.50	0.45	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Cobalt	7.3		5.0	0.70	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Copper	120		2.5	1.5	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Iron	34000		9.9	9.7	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Lead	120		0.99	0.86	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Magnesium	1900		500	54	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Manganese	270		1.5	0.28	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Nickel	37		4.0	0.50	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Potassium	540		500	84	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Selenium	0.78	J	0.99	0.46	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Sodium	72	J	500	51	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Thallium	ND		2.0	0.28	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Vanadium	16		5.0	0.79	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1
Zinc	170		2.0	1.4	mg/Kg	☼	07/17/23 11:40	07/21/23 10:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.037	0.024	mg/Kg	☼	07/17/23 08:55	07/18/23 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.1		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	86.9		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-B5

Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.2	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,4-Dichlorobenzene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Styrene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*07/19/23 07:27*	*07/19/23 16:02*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*07/19/23 07:27*	*07/19/23 16:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*07/19/23 07:27*	*07/19/23 16:02*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*07/19/23 07:27*	*07/19/23 16:02*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Acenaphthylene	**400**		76	17	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Acetophenone	ND		760	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Anthracene	**250**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Atrazine	ND		760	170	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Benzo[a]anthracene	**650**		76	34	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Benzo[a]pyrene	**580**		76	33	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Benzo[b]fluoranthene	**740**		76	19	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Benzo[g,h,i]perylene	**660**		76	16	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Benzo[k]fluoranthene	**340**		76	23	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Carbazole	**71**	**J**	76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Chrysene	**910**		76	42	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Dibenz(a,h)anthracene	**150**		76	48	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Fluoranthene	**1000**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Fluorene	**63**	**J**	76	15	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Indeno[1,2,3-cd]pyrene	**470**		76	38	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Isophorone	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2-Methylnaphthalene	**350**		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5

Date Collected: 07/14/23 15:20
Matrix: Solid

Date Received: 07/15/23 09:59
Percent Solids: 86.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Naphthalene	**360**		76	15	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Phenanthrene	**890**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Phenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
Pyrene	**1100**		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*44 - 105*	*07/17/23 08:22*	*07/18/23 11:38*	*1*
2-Fluorophenol (Surr)	*93*		*48 - 105*	*07/17/23 08:22*	*07/18/23 11:38*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/17/23 08:22*	*07/18/23 11:38*	*1*
Phenol-d5 (Surr)	*95*		*46 - 105*	*07/17/23 08:22*	*07/18/23 11:38*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*07/17/23 08:22*	*07/18/23 11:38*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*07/17/23 08:22*	*07/18/23 11:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1254	**45**		19	5.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1260	**24**		19	5.4	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/17/23 08:16*	*07/18/23 15:20*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*07/17/23 08:16*	*07/18/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/17/23 08:16*	*07/18/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/17/23 08:16*	*07/18/23 15:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4900**		20	4.9	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Antimony	**0.43**	**J**	0.98	0.30	mg/Kg	☼	07/17/23 11:40	07/21/23 14:26	1

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5

Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		0.98	0.61	mg/Kg	☼	07/17/23 11:40	07/21/23 14:26	1
Barium	230		20	3.5	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Beryllium	0.49		0.39	0.11	mg/Kg	☼	07/17/23 11:40	07/21/23 14:26	1
Cadmium	1.2		0.49	0.072	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Calcium	4000		490	63	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Chromium	22		0.49	0.45	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Cobalt	5.4		4.9	0.69	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Copper	210		2.5	1.5	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Iron	23000		9.8	9.5	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Lead	150		0.98	0.85	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Magnesium	1200		490	54	mg/Kg	☼	07/17/23 11:40	07/21/23 14:26	1
Manganese	150		1.5	0.27	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Nickel	31		3.9	0.49	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Potassium	330	J	490	83	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Selenium	ND		0.98	0.45	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Silver	ND		0.49	0.10	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Sodium	100	J	490	50	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Thallium	ND		2.0	0.28	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Vanadium	17		4.9	0.78	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1
Zinc	160		2.0	1.4	mg/Kg	☼	07/17/23 11:40	07/21/23 10:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.0		0.037	0.024	mg/Kg	☼	07/17/23 08:55	07/18/23 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.5		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	86.5		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6

Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6
Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Trichloroethene	**3.2**	**J**	5.1	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*07/19/23 07:27*	*07/19/23 16:25*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/19/23 07:27*	*07/19/23 16:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*07/19/23 07:27*	*07/19/23 16:25*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*07/19/23 07:27*	*07/19/23 16:25*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6

Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**370**		72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Acetophenone	ND		720	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Anthracene	**250**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Atrazine	ND		720	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Benzaldehyde	ND		720	45	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Benzo[a]anthracene	**650**		72	32	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Benzo[a]pyrene	**730**		72	31	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Benzo[b]fluoranthene	**840**		72	18	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Benzo[g,h,i]perylene	**700**		72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Benzo[k]fluoranthene	**310**		72	22	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Carbazole	**86**		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Chrysene	**670**		72	40	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Dibenz(a,h)anthracene	**160**		72	46	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Fluoranthene	**1000**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Fluorene	**35**	**J**	72	14	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Indeno[1,2,3-cd]pyrene	**550**		72	36	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Isophorone	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2-Methylnaphthalene	**80**		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6
Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**190**		72	14	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Phenanthrene	**450**		72	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Phenol	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
Pyrene	**1000**		72	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/17/23 08:22*	*07/18/23 12:00*	*1*
2-Fluorophenol (Surr)	*92*		*48 - 105*	*07/17/23 08:22*	*07/18/23 12:00*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*07/17/23 08:22*	*07/18/23 12:00*	*1*
Phenol-d5 (Surr)	*94*		*46 - 105*	*07/17/23 08:22*	*07/18/23 12:00*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*07/17/23 08:22*	*07/18/23 12:00*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*07/17/23 08:22*	*07/18/23 12:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		180	60	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1221	ND		180	65	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1232	ND		180	45	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1242	ND		180	27	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1248	**9400**		180	44	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1254	**3600**		180	55	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1260	**1100**		180	52	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1262	ND		180	65	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10
PCB-1268	ND		180	25	ug/Kg	☼	07/17/23 08:16	07/19/23 08:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*07/17/23 08:16*	*07/19/23 08:14*	*10*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*07/17/23 08:16*	*07/19/23 08:14*	*10*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*07/17/23 08:16*	*07/19/23 08:14*	*10*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*07/17/23 08:16*	*07/19/23 08:14*	*10*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		13	3.2	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Antimony	**0.22**	**J**	0.65	0.20	mg/Kg	☼	07/17/23 11:40	07/21/23 14:31	1
Arsenic	**8.6**		0.65	0.41	mg/Kg	☼	07/17/23 11:40	07/21/23 14:31	1

Client Sample ID: SSHS-IRM5A2-AREAF-S1
Lab Sample ID: 180-159350-6

Date Collected: 07/14/23 15:25
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 89.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	130		13	2.3	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Beryllium	0.48		0.26	0.071	mg/Kg	☼	07/17/23 11:40	07/21/23 14:31	1
Cadmium	0.97		0.32	0.048	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Calcium	10000		320	42	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Chromium	13		0.32	0.29	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Cobalt	8.4		3.2	0.46	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Copper	48		1.6	0.98	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Iron	18000		6.5	6.3	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Lead	50		0.65	0.56	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Magnesium	3700		320	36	mg/Kg	☼	07/17/23 11:40	07/21/23 14:31	1
Manganese	390		0.97	0.18	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Nickel	26		2.6	0.33	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Potassium	490		320	55	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Selenium	ND		0.65	0.30	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Silver	ND		0.32	0.067	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Sodium	54	J	320	33	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Thallium	ND		1.3	0.18	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Vanadium	14		3.2	0.51	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1
Zinc	120		1.3	0.94	mg/Kg	☼	07/17/23 11:40	07/21/23 10:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.094		0.034	0.022	mg/Kg	☼	07/17/23 08:55	07/18/23 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.2		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	89.8		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7

Date Collected: 07/14/23 15:30
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 87.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7
Date Collected: 07/14/23 15:30
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 87.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 07:27	07/19/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*07/19/23 07:27*	*07/19/23 16:48*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*07/19/23 07:27*	*07/19/23 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*07/19/23 07:27*	*07/19/23 16:48*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*07/19/23 07:27*	*07/19/23 16:48*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Acenaphthylene	**42**	**J**	76	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7

Date Collected: 07/14/23 15:30
Matrix: Solid

Date Received: 07/15/23 09:59
Percent Solids: 87.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		760	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Anthracene	**34**	**J**	76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Atrazine	ND		760	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Benzo[a]anthracene	**160**		76	34	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Benzo[a]pyrene	**160**		76	33	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Benzo[b]fluoranthene	**210**		76	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Benzo[g,h,i]perylene	**130**		76	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Benzo[k]fluoranthene	**46**	**J**	76	23	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Carbazole	ND		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Chrysene	**230**		76	42	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Fluoranthene	**250**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Fluorene	ND		76	15	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Indeno[1,2,3-cd]pyrene	**100**		76	38	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Isophorone	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2-Methylnaphthalene	**63**	**J**	76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Naphthalene	**44**	**J**	76	15	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7

Date Collected: 07/14/23 15:30
Matrix: Solid

Date Received: 07/15/23 09:59
Percent Solids: 87.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Phenanthrene	**210**		76	20	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Phenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
Pyrene	**240**		76	18	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*07/17/23 08:22*	*07/18/23 12:22*	*1*
2-Fluorophenol (Surr)	*90*		*48 - 105*	*07/17/23 08:22*	*07/18/23 12:22*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/17/23 08:22*	*07/18/23 12:22*	*1*
Phenol-d5 (Surr)	*93*		*46 - 105*	*07/17/23 08:22*	*07/18/23 12:22*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*07/17/23 08:22*	*07/18/23 12:22*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*07/17/23 08:22*	*07/18/23 12:22*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1260	**48**		19	5.3	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/17/23 08:16	07/18/23 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/17/23 08:16*	*07/18/23 15:55*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/17/23 08:16*	*07/18/23 15:55*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/17/23 08:16*	*07/18/23 15:55*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/17/23 08:16*	*07/18/23 15:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4500**		16	4.1	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Antimony	ND		0.82	0.25	mg/Kg	☼	07/17/23 11:40	07/21/23 14:36	1
Arsenic	**8.2**		0.82	0.52	mg/Kg	☼	07/17/23 11:40	07/21/23 14:36	1
Barium	**93**		16	2.9	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1

Client Sample ID: SSHS-IRM5A2-AREAF-S2
Lab Sample ID: 180-159350-7
Date Collected: 07/14/23 15:30
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 87.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.51**		0.33	0.090	mg/Kg	☼	07/17/23 11:40	07/21/23 14:36	1
Cadmium	**0.76**		0.41	0.060	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Calcium	**3400**		410	53	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Chromium	**9.7**		0.41	0.37	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Cobalt	**5.0**		4.1	0.58	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Copper	**36**		2.1	1.2	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Iron	**18000**		8.2	8.0	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Lead	**55**		0.82	0.72	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Magnesium	**1400**		410	45	mg/Kg	☼	07/17/23 11:40	07/21/23 14:36	1
Manganese	**170**		1.2	0.23	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Nickel	**16**		3.3	0.42	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Potassium	**470**		410	70	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Selenium	ND		0.82	0.38	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Silver	ND		0.41	0.086	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Sodium	**57**	**J**	410	42	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Vanadium	**14**		4.1	0.65	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1
Zinc	**53**		1.6	1.2	mg/Kg	☼	07/17/23 11:40	07/21/23 10:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.097**		0.035	0.022	mg/Kg	☼	07/17/23 08:55	07/18/23 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.1**		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	**87.9**		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-AREAF-S3
Lab Sample ID: 180-159350-8
Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 91.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	24	3.8	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Benzene	ND		4.8	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Carbon disulfide	ND		4.8	3.9	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-S3
Lab Sample ID: 180-159350-8
Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 91.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,4-Dichlorobenzene	ND		4.8	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Dichlorobromomethane	ND		4.8	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,1-Dichloroethane	ND		4.8	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,4-Dioxane	ND		970	73	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Methylene Chloride	ND		4.8	4.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Styrene	ND		4.8	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Toluene	ND		4.8	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,2,4-Trichlorobenzene	ND		4.8	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	07/19/23 07:27	07/19/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*07/19/23 07:27*	*07/19/23 17:10*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*07/19/23 07:27*	*07/19/23 17:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*07/19/23 07:27*	*07/19/23 17:10*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*07/19/23 07:27*	*07/19/23 17:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Acetophenone	ND		730	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-S3
Lab Sample ID: 180-159350-8
Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 91.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		73	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Atrazine	ND		730	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Caprolactam	ND		1800	240	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Carbazole	ND		73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Chrysene	ND		73	40	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Dibenz(a,h)anthracene	ND		73	46	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Fluorene	ND		73	14	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Isophorone	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Naphthalene	ND		73	14	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1

Client Sample ID: SSHS-IRM5A2-AREAF-S3
Lab Sample ID: 180-159350-8

Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 91.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
N-Nitrosodi-n-propylamine	ND		73	24	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Phenanthrene	ND		73	19	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Phenol	ND		360	110	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
Pyrene	ND		73	17	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/17/23 08:22	07/18/23 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*44 - 105*	*07/17/23 08:22*	*07/18/23 12:44*	*1*
2-Fluorophenol (Surr)	*104*		*48 - 105*	*07/17/23 08:22*	*07/18/23 12:44*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*07/17/23 08:22*	*07/18/23 12:44*	*1*
Phenol-d5 (Surr)	*108*	*S1+*	*46 - 105*	*07/17/23 08:22*	*07/18/23 12:44*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*07/17/23 08:22*	*07/18/23 12:44*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*34 - 108*	*07/17/23 08:22*	*07/18/23 12:44*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1260	**11**	**J**	18	5.1	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/17/23 08:16	07/18/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/17/23 08:16*	*07/18/23 16:13*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/17/23 08:16*	*07/18/23 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/17/23 08:16*	*07/18/23 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/17/23 08:16*	*07/18/23 16:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		16	4.0	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Antimony	ND		0.80	0.24	mg/Kg	☼	07/17/23 11:40	07/21/23 14:41	1
Arsenic	**6.8**		0.80	0.50	mg/Kg	☼	07/17/23 11:40	07/21/23 14:41	1
Barium	**53**		16	2.9	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Beryllium	**0.38**		0.32	0.087	mg/Kg	☼	07/17/23 11:40	07/21/23 14:41	1

Client Sample ID: SSHS-IRM5A2-AREAF-S3

Lab Sample ID: 180-159350-8
Date Collected: 07/14/23 15:35
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 91.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.74		0.40	0.059	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Calcium	7400		400	52	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Chromium	10		0.40	0.37	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Cobalt	7.1		4.0	0.56	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Copper	25		2.0	1.2	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Iron	16000		8.0	7.8	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Lead	11		0.80	0.70	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Magnesium	3700		400	44	mg/Kg	☼	07/17/23 11:40	07/21/23 14:41	1
Manganese	390		1.2	0.22	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Nickel	20		3.2	0.40	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Potassium	510		400	68	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Selenium	ND		0.80	0.37	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Silver	ND		0.40	0.083	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Sodium	ND		400	41	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Vanadium	13		4.0	0.63	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1
Zinc	70		1.6	1.2	mg/Kg	☼	07/17/23 11:40	07/21/23 10:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/17/23 08:55	07/18/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.3		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	91.7		0.1	0.1	%			07/15/23 15:56	1

Client Sample ID: SSHS-IRM5A2-DUP305

Lab Sample ID: 180-159350-9
Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9
Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 07:27	07/19/23 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*07/19/23 07:27*	*07/19/23 19:04*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/19/23 07:27*	*07/19/23 19:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*07/19/23 07:27*	*07/19/23 19:04*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*07/19/23 07:27*	*07/19/23 19:04*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Acetophenone	ND		750	130	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Anthracene	ND		75	19	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9
Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		750	160	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Carbazole	ND		75	17	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Chrysene	ND		75	41	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Fluorene	ND		75	15	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Isophorone	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Naphthalene	ND		75	15	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9
Date Collected: 07/14/23 00:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Phenol	ND		370	110	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
Pyrene	ND		75	18	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/17/23 08:22	07/18/23 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/17/23 08:22*	*07/18/23 13:06*	*1*
2-Fluorophenol (Surr)	*97*		*48 - 105*	*07/17/23 08:22*	*07/18/23 13:06*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*07/17/23 08:22*	*07/18/23 13:06*	*1*
Phenol-d5 (Surr)	*104*		*46 - 105*	*07/17/23 08:22*	*07/18/23 13:06*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/17/23 08:22*	*07/18/23 13:06*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/17/23 08:22*	*07/18/23 13:06*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1260	**10**	**J**	19	5.3	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/17/23 08:16	07/18/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/17/23 08:16*	*07/18/23 16:31*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/17/23 08:16*	*07/18/23 16:31*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*07/17/23 08:16*	*07/18/23 16:31*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*07/17/23 08:16*	*07/18/23 16:31*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		18	4.6	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Antimony	ND		0.92	0.28	mg/Kg	☼	07/17/23 11:40	07/21/23 14:46	1
Arsenic	**6.4**		0.92	0.58	mg/Kg	☼	07/17/23 11:40	07/21/23 14:46	1
Barium	**56**		18	3.3	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Beryllium	**0.38**		0.37	0.10	mg/Kg	☼	07/17/23 11:40	07/21/23 14:46	1
Cadmium	**0.74**		0.46	0.068	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP305
Lab Sample ID: 180-159350-9

Date Collected: 07/14/23 00:00
Matrix: Solid

Date Received: 07/15/23 09:59
Percent Solids: 88.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	15000		460	60	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Chromium	10		0.46	0.42	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Cobalt	7.1		4.6	0.65	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Copper	23		2.3	1.4	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Iron	16000		9.2	9.0	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Lead	17		0.92	0.80	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Magnesium	4200		460	51	mg/Kg	☼	07/17/23 11:40	07/21/23 14:46	1
Manganese	380		1.4	0.26	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Nickel	19		3.7	0.46	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Potassium	570		460	78	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Selenium	ND		0.92	0.42	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Silver	ND		0.46	0.096	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Sodium	ND		460	47	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Thallium	ND		1.8	0.26	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Vanadium	13		4.6	0.73	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1
Zinc	79		1.8	1.3	mg/Kg	☼	07/17/23 11:40	07/21/23 10:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J	0.036	0.023	mg/Kg	☼	07/17/23 08:55	07/18/23 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.1		0.1	0.1	%			07/15/23 15:56	1
Percent Solids (SM22 2540G)	88.9		0.1	0.1	%			07/15/23 15:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-159350-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-440759/7
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/19/23 10:55	1
Benzene	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
Bromoform	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/19/23 10:55	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/19/23 10:55	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/19/23 10:55	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/19/23 10:55	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/19/23 10:55	1
Chloroform	ND		5.0	3.4	ug/Kg			07/19/23 10:55	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/19/23 10:55	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 10:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/19/23 10:55	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/19/23 10:55	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/19/23 10:55	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/19/23 10:55	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/19/23 10:55	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/19/23 10:55	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/19/23 10:55	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/19/23 10:55	1
2-Hexanone	ND		25	1.6	ug/Kg			07/19/23 10:55	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/19/23 10:55	1
Methyl acetate	ND		25	7.4	ug/Kg			07/19/23 10:55	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 10:55	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/19/23 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/19/23 10:55	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/19/23 10:55	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Styrene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Toluene	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/19/23 10:55	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/19/23 10:55	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/19/23 10:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440759/7
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/19/23 10:55	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/19/23 10:55	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/19/23 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/19/23 10:55	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/19/23 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*07/19/23 10:55*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*		*07/19/23 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*		*07/19/23 10:55*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*07/19/23 10:55*	*1*

Lab Sample ID: LCS 180-440759/3
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	25.5		ug/Kg		64	23 - 170
Benzene	40.0	37.9		ug/Kg		95	77 - 120
Bromoform	40.0	26.8		ug/Kg		67	37 - 147
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149
2-Butanone (MEK)	40.0	24.9	J	ug/Kg		62	39 - 157
Carbon disulfide	40.0	38.4		ug/Kg		96	40 - 156
Carbon tetrachloride	40.0	34.6		ug/Kg		86	73 - 130
Chlorobenzene	40.0	34.4		ug/Kg		86	79 - 122
Chlorobromomethane	40.0	31.6		ug/Kg		79	64 - 128
Chlorodibromomethane	40.0	29.5		ug/Kg		74	60 - 134
Chloroethane	40.0	28.1		ug/Kg		70	37 - 159
Chloroform	40.0	37.0		ug/Kg		92	73 - 126
Chloromethane	40.0	47.8		ug/Kg		119	46 - 151
cis-1,2-Dichloroethene	40.0	35.8		ug/Kg		90	77 - 118
cis-1,3-Dichloropropene	40.0	31.7		ug/Kg		79	73 - 127
Cyclohexane	40.0	37.6		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.4		ug/Kg		64	30 - 163
1,2-Dibromoethane	40.0	32.3		ug/Kg		81	59 - 137
1,2-Dichlorobenzene	40.0	34.8		ug/Kg		87	76 - 120
1,3-Dichlorobenzene	40.0	36.2		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120
Dichlorobromomethane	40.0	33.8		ug/Kg		84	75 - 123
Dichlorodifluoromethane	40.0	41.5		ug/Kg		104	26 - 149
1,1-Dichloroethane	40.0	37.0		ug/Kg		93	73 - 124
1,2-Dichloroethane	40.0	31.8		ug/Kg		79	64 - 140
1,1-Dichloroethene	40.0	38.4		ug/Kg		96	55 - 136
1,2-Dichloroethene, Total	80.0	73.9		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	35.9		ug/Kg		90	77 - 119
1,4-Dioxane	800	633	J	ug/Kg		79	18 - 166
Ethylbenzene	40.0	36.4		ug/Kg		91	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440759/3
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	22.8	J	ug/Kg		57	42 - 152
Isopropylbenzene	40.0	37.4		ug/Kg		93	70 - 125
Methyl acetate	80.0	72.9		ug/Kg		91	20 - 170
Methylcyclohexane	40.0	36.4		ug/Kg		91	70 - 125
Methylene Chloride	40.0	41.1		ug/Kg		103	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	27.1		ug/Kg		68	51 - 147
Methyl tert-butyl ether	40.0	30.9		ug/Kg		77	58 - 132
m-Xylene & p-Xylene	40.0	35.5		ug/Kg		89	77 - 120
o-Xylene	40.0	34.8		ug/Kg		87	78 - 118
Styrene	40.0	35.2		ug/Kg		88	80 - 120
1,1,2,2-Tetrachloroethane	40.0	30.9		ug/Kg		77	36 - 170
Tetrachloroethene	40.0	35.7		ug/Kg		89	71 - 121
Toluene	40.0	36.7		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	75 - 122
trans-1,3-Dichloropropene	40.0	32.0		ug/Kg		80	68 - 133
1,2,3-Trichlorobenzene	40.0	33.6		ug/Kg		84	29 - 166
1,2,4-Trichlorobenzene	40.0	34.7		ug/Kg		87	22 - 170
1,1,1-Trichloroethane	40.0	36.9		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	31.9		ug/Kg		80	66 - 128
Trichloroethene	40.0	34.5		ug/Kg		86	69 - 118
Trichlorofluoromethane	40.0	27.5		ug/Kg		69	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.0		ug/Kg		90	59 - 135
Vinyl chloride	40.0	43.1		ug/Kg		108	64 - 134
Xylenes, Total	80.0	70.3		ug/Kg		88	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*117*		*67 - 134*

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	43.4	*1	ug/Kg		108	23 - 170	52	35
Benzene	40.0	41.4		ug/Kg		103	77 - 120	9	20
Bromoform	40.0	29.5		ug/Kg		74	37 - 147	10	23
Bromomethane	40.0	35.9		ug/Kg		90	47 - 149	2	25
2-Butanone (MEK)	40.0	30.4		ug/Kg		76	39 - 157	20	33
Carbon disulfide	40.0	42.4		ug/Kg		106	40 - 156	10	25
Carbon tetrachloride	40.0	37.1		ug/Kg		93	73 - 130	7	21
Chlorobenzene	40.0	36.7		ug/Kg		92	79 - 122	7	20
Chlorobromomethane	40.0	36.5		ug/Kg		91	64 - 128	14	20
Chlorodibromomethane	40.0	32.9		ug/Kg		82	60 - 134	11	40
Chloroethane	40.0	28.8		ug/Kg		72	37 - 159	3	25
Chloroform	40.0	40.2		ug/Kg		101	73 - 126	8	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	50.7		ug/Kg		127	46 - 151	6	33
cis-1,2-Dichloroethene			40.0	40.1		ug/Kg		100	77 - 118	11	20
cis-1,3-Dichloropropene			40.0	36.4		ug/Kg		91	73 - 127	14	20
Cyclohexane			40.0	40.3		ug/Kg		101	63 - 143	7	25
1,2-Dibromo-3-Chloropropane			40.0	31.0		ug/Kg		77	30 - 163	20	34
1,2-Dibromoethane			40.0	35.2		ug/Kg		88	59 - 137	8	20
1,2-Dichlorobenzene			40.0	37.3		ug/Kg		93	76 - 120	7	20
1,3-Dichlorobenzene			40.0	38.4		ug/Kg		96	77 - 121	6	20
1,4-Dichlorobenzene			40.0	38.4		ug/Kg		96	79 - 120	8	20
Dichlorobromomethane			40.0	38.3		ug/Kg		96	75 - 123	13	20
Dichlorodifluoromethane			40.0	43.6		ug/Kg		109	26 - 149	5	24
1,1-Dichloroethane			40.0	40.9		ug/Kg		102	73 - 124	10	20
1,2-Dichloroethane			40.0	36.4		ug/Kg		91	64 - 140	14	20
1,1-Dichloroethene			40.0	41.8		ug/Kg		105	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	81.0		ug/Kg		101	77 - 119	9	20
1,2-Dichloropropane			40.0	39.9		ug/Kg		100	77 - 119	11	20
1,4-Dioxane			800	846	J	ug/Kg		106	18 - 166	29	40
Ethylbenzene			40.0	38.0		ug/Kg		95	79 - 119	4	20
2-Hexanone			40.0	30.0		ug/Kg		75	42 - 152	27	30
Isopropylbenzene			40.0	39.3		ug/Kg		98	70 - 125	5	21
Methyl acetate			80.0	85.8		ug/Kg		107	20 - 170	16	33
Methylcyclohexane			40.0	39.3		ug/Kg		98	70 - 125	8	22
Methylene Chloride			40.0	45.6		ug/Kg		114	67 - 131	10	32
4-Methyl-2-pentanone (MIBK)			40.0	31.2		ug/Kg		78	51 - 147	14	27
Methyl tert-butyl ether			40.0	36.7		ug/Kg		92	58 - 132	17	24
m-Xylene & p-Xylene			40.0	37.6		ug/Kg		94	77 - 120	6	20
o-Xylene			40.0	37.0		ug/Kg		92	78 - 118	6	20
Styrene			40.0	37.7		ug/Kg		94	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	34.3		ug/Kg		86	36 - 170	10	23
Tetrachloroethene			40.0	37.4		ug/Kg		93	71 - 121	5	21
Toluene			40.0	38.2		ug/Kg		95	76 - 120	4	20
trans-1,2-Dichloroethene			40.0	41.0		ug/Kg		102	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	35.8		ug/Kg		89	68 - 133	11	20
1,2,3-Trichlorobenzene			40.0	37.5		ug/Kg		94	29 - 166	11	40
1,2,4-Trichlorobenzene			40.0	36.9		ug/Kg		92	22 - 170	6	29
1,1,1-Trichloroethane			40.0	39.4		ug/Kg		99	72 - 134	7	20
1,1,2-Trichloroethane			40.0	36.2		ug/Kg		91	66 - 128	13	21
Trichloroethene			40.0	38.5		ug/Kg		96	69 - 118	11	20
Trichlorofluoromethane			40.0	47.6		ug/Kg		119	32 - 149	54	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	38.4		ug/Kg		96	59 - 135	6	28
Vinyl chloride			40.0	46.5		ug/Kg		116	64 - 134	8	23
Xylenes, Total			80.0	74.6		ug/Kg		93	78 - 118	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	115		67 - 134

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440540/1-A
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Acenaphthylene	ND		67	15	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Acetophenone	ND		670	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Anthracene	ND		67	17	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Atrazine	ND		670	150	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Benzaldehyde	ND		670	41	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Caprolactam	ND		1700	220	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Carbazole	ND		67	16	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4-Chloroaniline	ND		330	88	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2-Chlorophenol	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Chrysene	ND		67	37	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Dibenzofuran	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Diethyl phthalate	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
1,4-Dioxane	ND		670	100	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Fluoranthene	ND		67	18	ug/Kg		07/17/23 08:22	07/18/23 06:39	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440540/1-A
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Hexachloroethane	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Isophorone	ND		330	130	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2-Methylphenol	ND		330	96	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Naphthalene	ND		67	13	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Nitrobenzene	ND		670	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2-Nitrophenol	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Phenanthrene	ND		67	18	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Phenol	ND		330	100	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
Pyrene	ND		67	16	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/17/23 08:22	07/18/23 06:39	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/17/23 08:22	07/18/23 06:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*07/17/23 08:22*	*07/18/23 06:39*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*07/17/23 08:22*	*07/18/23 06:39*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/17/23 08:22*	*07/18/23 06:39*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*07/17/23 08:22*	*07/18/23 06:39*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*07/17/23 08:22*	*07/18/23 06:39*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*07/17/23 08:22*	*07/18/23 06:39*	*1*

Lab Sample ID: LCS 180-440540/2-A
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4220		ug/Kg		63	50 - 100
Acenaphthylene	6670	5020		ug/Kg		75	52 - 100
Acetophenone	6670	4490		ug/Kg		67	48 - 100
Anthracene	6670	4480		ug/Kg		67	53 - 100
Atrazine	6670	4340		ug/Kg		65	49 - 103
Benzaldehyde	6670	2620		ug/Kg		39	23 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440540/2-A
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	4560		ug/Kg		68	51 - 100
Benzo[a]pyrene	6670	5000		ug/Kg		75	51 - 100
Benzo[b]fluoranthene	6670	4210		ug/Kg		63	48 - 100
Benzo[g,h,i]perylene	6670	4350		ug/Kg		65	48 - 105
Benzo[k]fluoranthene	6670	4390		ug/Kg		66	19 - 100
1,1'-Biphenyl	6670	4360		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	4700		ug/Kg		70	49 - 100
Bis(2-chloroethyl)ether	6670	4730		ug/Kg		71	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5220		ug/Kg		78	53 - 107
4-Bromophenyl phenyl ether	6670	4240		ug/Kg		64	52 - 101
Butyl benzyl phthalate	6670	5250		ug/Kg		79	52 - 107
Caprolactam	6670	4570		ug/Kg		69	48 - 111
Carbazole	6670	4510		ug/Kg		68	53 - 100
4-Chloroaniline	6670	4440		ug/Kg		67	47 - 100
4-Chloro-3-methylphenol	6670	4950		ug/Kg		74	49 - 106
2-Chloronaphthalene	6670	4530		ug/Kg		68	51 - 100
2-Chlorophenol	6670	4850		ug/Kg		73	51 - 100
4-Chlorophenyl phenyl ether	6670	4050		ug/Kg		61	52 - 100
Chrysene	6670	4320		ug/Kg		65	50 - 100
Dibenz(a,h)anthracene	6670	4430		ug/Kg		66	50 - 107
Dibenzofuran	6670	4160		ug/Kg		62	52 - 100
3,3'-Dichlorobenzidine	6670	3970		ug/Kg		60	43 - 100
2,4-Dichlorophenol	6670	4590		ug/Kg		69	53 - 101
Diethyl phthalate	6670	4780		ug/Kg		72	48 - 104
2,4-Dimethylphenol	6670	4270		ug/Kg		64	51 - 101
Dimethyl phthalate	6670	4640		ug/Kg		70	53 - 100
Di-n-butyl phthalate	6670	4740		ug/Kg		71	57 - 102
4,6-Dinitro-2-methylphenol	13300	8510		ug/Kg		64	51 - 100
2,4-Dinitrophenol	13300	8330		ug/Kg		62	33 - 101
2,4-Dinitrotoluene	6670	4630		ug/Kg		69	54 - 104
2,6-Dinitrotoluene	6670	4530		ug/Kg		68	51 - 106
Di-n-octyl phthalate	6670	5740		ug/Kg		86	41 - 106
1,4-Dioxane	6670	5400		ug/Kg		81	25 - 125
Fluoranthene	6670	4490		ug/Kg		67	55 - 100
Fluorene	6670	4270		ug/Kg		64	52 - 100
Hexachlorobenzene	6670	3910		ug/Kg		59	49 - 100
Hexachlorobutadiene	6670	3490		ug/Kg		52	38 - 107
Hexachlorocyclopentadiene	6670	2780		ug/Kg		42	33 - 117
Hexachloroethane	6670	4370		ug/Kg		65	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4460		ug/Kg		67	51 - 103
Isophorone	6670	5310		ug/Kg		80	48 - 105
2-Methylnaphthalene	6670	4380		ug/Kg		66	53 - 100
2-Methylphenol	6670	4720		ug/Kg		71	50 - 101
Methylphenol, 3 & 4	6670	4700		ug/Kg		71	50 - 103
Naphthalene	6670	4400		ug/Kg		66	51 - 100
2-Nitroaniline	6670	5690		ug/Kg		85	42 - 123
3-Nitroaniline	6670	5040		ug/Kg		76	50 - 103
4-Nitroaniline	6670	5160		ug/Kg		77	52 - 103
Nitrobenzene	6670	5170		ug/Kg		78	44 - 108

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440540/2-A
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol	6670	5160		ug/Kg		77	55 - 107
4-Nitrophenol	13300	11400		ug/Kg		86	30 - 134
N-Nitrosodi-n-propylamine	6670	4780		ug/Kg		72	45 - 107
N-Nitrosodiphenylamine	6670	4780		ug/Kg		72	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4980		ug/Kg		75	30 - 113
Pentachlorophenol	13300	8950		ug/Kg		67	42 - 110
Phenanthrene	6670	4270		ug/Kg		64	53 - 100
Phenol	6670	4840		ug/Kg		73	49 - 100
Pyrene	6670	4650		ug/Kg		70	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	3840		ug/Kg		58	41 - 104
2,3,4,6-Tetrachlorophenol	6670	3970		ug/Kg		60	47 - 104
2,4,5-Trichlorophenol	6670	4740		ug/Kg		71	50 - 104
2,4,6-Trichlorophenol	6670	4690		ug/Kg		70	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*74*		*48 - 105*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*
Phenol-d5 (Surr)	*72*		*46 - 105*
Terphenyl-d14 (Surr)	*58*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7050	5840		ug/Kg	☼	83	50 - 100
Acenaphthylene	83		7050	6980		ug/Kg	☼	98	52 - 100
Acetophenone	ND		7050	5470		ug/Kg	☼	78	48 - 100
Anthracene	96		7050	6430		ug/Kg	☼	90	53 - 100
Atrazine	ND	F1	7050	811	F1	ug/Kg	☼	11	49 - 103
Benzaldehyde	ND	F1	7050	411	J F1	ug/Kg	☼	6	23 - 105
Benzo[a]anthracene	580		7050	6940		ug/Kg	☼	90	51 - 100
Benzo[a]pyrene	630		7050	7280		ug/Kg	☼	94	51 - 100
Benzo[b]fluoranthene	680		7050	6260		ug/Kg	☼	79	48 - 100
Benzo[g,h,i]perylene	420		7050	6900		ug/Kg	☼	92	48 - 105
Benzo[k]fluoranthene	340		7050	6310		ug/Kg	☼	85	19 - 100
1,1'-Biphenyl	ND		7050	6020		ug/Kg	☼	85	50 - 100
Bis(2-chloroethoxy)methane	ND		7050	6230		ug/Kg	☼	88	49 - 100
Bis(2-chloroethyl)ether	ND		7050	6430		ug/Kg	☼	91	48 - 100
Bis(2-ethylhexyl) phthalate	ND	F1	7050	7890	F1	ug/Kg	☼	112	53 - 107
4-Bromophenyl phenyl ether	ND		7050	6130		ug/Kg	☼	87	52 - 101
Butyl benzyl phthalate	ND	F1	7050	7670	F1	ug/Kg	☼	109	52 - 107
Caprolactam	ND		7050	6470		ug/Kg	☼	92	48 - 111
Carbazole	ND		7050	6510		ug/Kg	☼	92	53 - 100
4-Chloroaniline	ND		7050	4680		ug/Kg	☼	66	47 - 100
4-Chloro-3-methylphenol	ND		7050	6540		ug/Kg	☼	93	49 - 106

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloronaphthalene	ND		7050	6160		ug/Kg	☼	87	51 - 100
2-Chlorophenol	ND		7050	6470		ug/Kg	☼	92	51 - 100
4-Chlorophenyl phenyl ether	ND		7050	5630		ug/Kg	☼	80	52 - 100
Chrysene	570		7050	6640		ug/Kg	☼	86	50 - 100
Dibenz(a,h)anthracene	100		7050	6740		ug/Kg	☼	94	50 - 107
Dibenzofuran	ND		7050	5830		ug/Kg	☼	83	52 - 100
3,3'-Dichlorobenzidine	ND		7050	5520		ug/Kg	☼	78	43 - 100
2,4-Dichlorophenol	ND		7050	6230		ug/Kg	☼	88	53 - 101
Diethyl phthalate	ND		7050	6690		ug/Kg	☼	95	48 - 104
2,4-Dimethylphenol	ND		7050	5560		ug/Kg	☼	79	51 - 101
Dimethyl phthalate	ND		7050	6580		ug/Kg	☼	93	53 - 100
Di-n-butyl phthalate	ND	F1	7050	6870		ug/Kg	☼	97	57 - 102
4,6-Dinitro-2-methylphenol	ND		14100	12200		ug/Kg	☼	86	51 - 100
2,4-Dinitrophenol	ND		14100	10800		ug/Kg	☼	77	33 - 101
2,4-Dinitrotoluene	ND		7050	6410		ug/Kg	☼	91	54 - 104
2,6-Dinitrotoluene	ND		7050	6520		ug/Kg	☼	92	51 - 106
Di-n-octyl phthalate	ND	F1	7050	8590	F1	ug/Kg	☼	122	41 - 106
1,4-Dioxane	ND		7050	6600		ug/Kg	☼	94	25 - 125
Fluoranthene	760		7050	6580		ug/Kg	☼	83	55 - 100
Fluorene	ND		7050	5970		ug/Kg	☼	85	52 - 100
Hexachlorobenzene	ND		7050	5390		ug/Kg	☼	76	49 - 100
Hexachlorobutadiene	ND		7050	4490		ug/Kg	☼	64	38 - 107
Hexachlorocyclopentadiene	ND	F1	7050	850	F1	ug/Kg	☼	12	33 - 117
Hexachloroethane	ND		7050	5920		ug/Kg	☼	84	47 - 100
Indeno[1,2,3-cd]pyrene	360		7050	7080		ug/Kg	☼	95	51 - 103
Isophorone	ND		7050	5370		ug/Kg	☼	76	48 - 105
2-Methylnaphthalene	46	J	7050	5880		ug/Kg	☼	83	53 - 100
2-Methylphenol	ND		7050	6540		ug/Kg	☼	93	50 - 101
Methylphenol, 3 & 4	ND		7050	6480		ug/Kg	☼	92	50 - 103
Naphthalene	97		7050	5900		ug/Kg	☼	82	51 - 100
2-Nitroaniline	ND		7050	8050		ug/Kg	☼	114	42 - 123
3-Nitroaniline	ND		7050	6870		ug/Kg	☼	97	50 - 103
4-Nitroaniline	ND		7050	6880		ug/Kg	☼	98	52 - 103
Nitrobenzene	ND		7050	6590		ug/Kg	☼	93	44 - 108
2-Nitrophenol	ND		7050	6630		ug/Kg	☼	94	55 - 107
4-Nitrophenol	ND		14100	15600		ug/Kg	☼	110	30 - 134
N-Nitrosodi-n-propylamine	ND		7050	6630		ug/Kg	☼	94	45 - 107
N-Nitrosodiphenylamine	ND	F1	7050	6880		ug/Kg	☼	98	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7050	6670		ug/Kg	☼	95	30 - 113
Pentachlorophenol	ND		14100	12100		ug/Kg	☼	86	42 - 110
Phenanthrene	270		7050	6330		ug/Kg	☼	86	53 - 100
Phenol	ND		7050	6330		ug/Kg	☼	90	49 - 100
Pyrene	730		7050	7210		ug/Kg	☼	92	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7050	5200		ug/Kg	☼	74	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7050	5510		ug/Kg	☼	78	47 - 104
2,4,5-Trichlorophenol	ND		7050	6560		ug/Kg	☼	93	50 - 104
2,4,6-Trichlorophenol	ND		7050	6670		ug/Kg	☼	95	50 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440540

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	*80*		*44 - 105*
2-Fluorophenol (Surr)	*90*		*48 - 105*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*
Phenol-d5 (Surr)	*91*		*46 - 105*
Terphenyl-d14 (Surr)	*81*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*

Lab Sample ID: 180-159350-1 MSD
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7190	6170		ug/Kg	☼	86	50 - 100	5	20
Acenaphthylene	83		7190	7190		ug/Kg	☼	99	52 - 100	3	20
Acetophenone	ND		7190	5710		ug/Kg	☼	79	48 - 100	4	17
Anthracene	96		7190	6970		ug/Kg	☼	96	53 - 100	8	20
Atrazine	ND	F1	7190	785	F1	ug/Kg	☼	11	49 - 103	3	19
Benzaldehyde	ND	F1	7190	363	J F1	ug/Kg	☼	5	23 - 105	13	31
Benzo[a]anthracene	580		7190	7300		ug/Kg	☼	93	51 - 100	5	21
Benzo[a]pyrene	630		7190	7670		ug/Kg	☼	98	51 - 100	5	20
Benzo[b]fluoranthene	680		7190	6640		ug/Kg	☼	83	48 - 100	6	20
Benzo[g,h,i]perylene	420		7190	7200		ug/Kg	☼	94	48 - 105	4	19
Benzo[k]fluoranthene	340		7190	6380		ug/Kg	☼	84	19 - 100	1	20
1,1'-Biphenyl	ND		7190	6340		ug/Kg	☼	88	50 - 100	5	19
Bis(2-chloroethoxy)methane	ND		7190	6510		ug/Kg	☼	90	49 - 100	4	20
Bis(2-chloroethyl)ether	ND		7190	6800		ug/Kg	☼	95	48 - 100	6	18
Bis(2-ethylhexyl) phthalate	ND	F1	7190	8310	F1	ug/Kg	☼	115	53 - 107	5	20
4-Bromophenyl phenyl ether	ND		7190	6430		ug/Kg	☼	89	52 - 101	5	20
Butyl benzyl phthalate	ND	F1	7190	8200	F1	ug/Kg	☼	114	52 - 107	7	19
Caprolactam	ND		7190	6840		ug/Kg	☼	95	48 - 111	6	23
Carbazole	ND		7190	6940		ug/Kg	☼	96	53 - 100	6	20
4-Chloroaniline	ND		7190	4840		ug/Kg	☼	67	47 - 100	3	20
4-Chloro-3-methylphenol	ND		7190	7060		ug/Kg	☼	98	49 - 106	8	20
2-Chloronaphthalene	ND		7190	6440		ug/Kg	☼	90	51 - 100	5	20
2-Chlorophenol	ND		7190	6840		ug/Kg	☼	95	51 - 100	5	17
4-Chlorophenyl phenyl ether	ND		7190	5870		ug/Kg	☼	82	52 - 100	4	19
Chrysene	570		7190	6980		ug/Kg	☼	89	50 - 100	5	20
Dibenz(a,h)anthracene	100		7190	7130		ug/Kg	☼	98	50 - 107	6	21
Dibenzofuran	ND		7190	6160		ug/Kg	☼	86	52 - 100	5	19
3,3'-Dichlorobenzidine	ND		7190	5840		ug/Kg	☼	81	43 - 100	6	19
2,4-Dichlorophenol	ND		7190	6540		ug/Kg	☼	91	53 - 101	5	22
Diethyl phthalate	ND		7190	7060		ug/Kg	☼	98	48 - 104	5	20
2,4-Dimethylphenol	ND		7190	5730		ug/Kg	☼	80	51 - 101	3	32
Dimethyl phthalate	ND		7190	6840		ug/Kg	☼	95	53 - 100	4	21
Di-n-butyl phthalate	ND	F1	7190	7410	F1	ug/Kg	☼	103	57 - 102	8	20
4,6-Dinitro-2-methylphenol	ND		14400	13100		ug/Kg	☼	91	51 - 100	7	22
2,4-Dinitrophenol	ND		14400	11600		ug/Kg	☼	81	33 - 101	7	20
2,4-Dinitrotoluene	ND		7190	6860		ug/Kg	☼	95	54 - 104	7	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159350-1 MSD
Matrix: Solid
Analysis Batch: 440613

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene	ND		7190	6820		ug/Kg	☼	95	51 - 106	4	20
Di-n-octyl phthalate	ND	F1	7190	9160	F1	ug/Kg	☼	127	41 - 106	6	18
1,4-Dioxane	ND		7190	6920		ug/Kg	☼	96	25 - 125	5	17
Fluoranthene	760		7190	6930		ug/Kg	☼	86	55 - 100	5	20
Fluorene	ND		7190	6340		ug/Kg	☼	88	52 - 100	6	19
Hexachlorobenzene	ND		7190	5740		ug/Kg	☼	80	49 - 100	6	20
Hexachlorobutadiene	ND		7190	4740		ug/Kg	☼	66	38 - 107	5	22
Hexachlorocyclopentadiene	ND	F1	7190	826	F1	ug/Kg	☼	11	33 - 117	3	19
Hexachloroethane	ND		7190	6150		ug/Kg	☼	86	47 - 100	4	17
Indeno[1,2,3-cd]pyrene	360		7190	7400		ug/Kg	☼	98	51 - 103	4	19
Isophorone	ND		7190	5580		ug/Kg	☼	78	48 - 105	4	20
2-Methylnaphthalene	46	J	7190	6180		ug/Kg	☼	85	53 - 100	5	21
2-Methylphenol	ND		7190	6870		ug/Kg	☼	95	50 - 101	5	17
Methylphenol, 3 & 4	ND		7190	6790		ug/Kg	☼	94	50 - 103	5	19
Naphthalene	97		7190	6120		ug/Kg	☼	84	51 - 100	4	20
2-Nitroaniline	ND		7190	8490		ug/Kg	☼	118	42 - 123	5	19
3-Nitroaniline	ND		7190	7160		ug/Kg	☼	99	50 - 103	4	20
4-Nitroaniline	ND		7190	7380		ug/Kg	☼	103	52 - 103	7	18
Nitrobenzene	ND		7190	6840		ug/Kg	☼	95	44 - 108	4	21
2-Nitrophenol	ND		7190	7120		ug/Kg	☼	99	55 - 107	7	19
4-Nitrophenol	ND		14400	16200		ug/Kg	☼	112	30 - 134	4	18
N-Nitrosodi-n-propylamine	ND		7190	7040		ug/Kg	☼	98	45 - 107	6	18
N-Nitrosodiphenylamine	ND	F1	7190	7280	F1	ug/Kg	☼	101	52 - 100	6	20
2,2'-oxybis[1-chloropropane]	ND		7190	6990		ug/Kg	☼	97	30 - 113	5	17
Pentachlorophenol	ND		14400	13200		ug/Kg	☼	92	42 - 110	8	20
Phenanthrene	270		7190	6760		ug/Kg	☼	90	53 - 100	7	20
Phenol	ND		7190	6620		ug/Kg	☼	92	49 - 100	4	16
Pyrene	730		7190	7520		ug/Kg	☼	94	52 - 100	4	20
1,2,4,5-Tetrachlorobenzene	ND		7190	5420		ug/Kg	☼	75	41 - 104	4	21
2,3,4,6-Tetrachlorophenol	ND		7190	5890		ug/Kg	☼	82	47 - 104	7	18
2,4,5-Trichlorophenol	ND		7190	6850		ug/Kg	☼	95	50 - 104	4	21
2,4,6-Trichlorophenol	ND		7190	6940		ug/Kg	☼	97	50 - 105	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*44 - 105*
2-Fluorophenol (Surr)	*91*		*48 - 105*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*
Phenol-d5 (Surr)	*94*		*46 - 105*
Terphenyl-d14 (Surr)	*85*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*82*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440539/1-A
Matrix: Solid
Analysis Batch: 440610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/17/23 08:16	07/18/23 07:24	1

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-440539/1-A
Matrix: Solid
Analysis Batch: 440610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		17	5.9	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1232	ND		17	4.1	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1242	ND		17	2.4	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1248	ND		17	4.0	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1254	ND		17	5.0	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1260	ND		17	4.7	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1262	ND		17	5.9	ug/Kg		07/17/23 08:16	07/18/23 07:24	1
PCB-1268	ND		17	2.2	ug/Kg		07/17/23 08:16	07/18/23 07:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*07/17/23 08:16*	*07/18/23 07:24*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*07/17/23 08:16*	*07/18/23 07:24*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*07/17/23 08:16*	*07/18/23 07:24*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*07/17/23 08:16*	*07/18/23 07:24*	*1*

Lab Sample ID: LCS 180-440539/2-A
Matrix: Solid
Analysis Batch: 440610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440539

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1280		ug/Kg		96	43 - 136		
PCB-1260			1330	1570		ug/Kg		118	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 440610

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1410	1150		ug/Kg	☼	82	43 - 136		
PCB-1260	10	J	1410	977		ug/Kg	☼	69	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-159350-1 MSD
Client Sample ID: SSHS-IRM5A2-AREAF-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440610
Prep Batch: 440539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1410	1080		ug/Kg	☼	76	43 - 136	7	40
PCB-1260	10	J	1410	937		ug/Kg	☼	66	55 - 128	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440553/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441082
Prep Batch: 440553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	4.9	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Antimony	ND		0.98	0.30	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Arsenic	ND		0.98	0.61	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Barium	ND		20	3.5	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Beryllium	ND		0.39	0.11	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Cadmium	ND		0.49	0.072	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Calcium	ND		490	63	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Chromium	ND		0.49	0.45	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Cobalt	ND		4.9	0.69	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Copper	ND		2.5	1.5	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Iron	ND		9.8	9.5	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Lead	ND		0.98	0.85	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Magnesium	ND		490	54	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Manganese	ND		1.5	0.27	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Nickel	ND		3.9	0.49	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Potassium	ND		490	83	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Selenium	ND		0.98	0.45	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Silver	ND		0.49	0.10	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Sodium	ND		490	50	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Thallium	ND		2.0	0.28	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Vanadium	ND		4.9	0.78	mg/Kg		07/17/23 11:40	07/21/23 09:36	1
Zinc	ND		2.0	1.4	mg/Kg		07/17/23 11:40	07/21/23 09:36	1

Lab Sample ID: LCS 180-440553/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441082
Prep Batch: 440553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	883		mg/Kg		88	80 - 120
Antimony	50.0	48.5		mg/Kg		97	80 - 120
Arsenic	200	200		mg/Kg		100	80 - 120
Barium	200	180		mg/Kg		90	80 - 120
Beryllium	100	84.4		mg/Kg		84	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-440553/2-A
Matrix: Solid
Analysis Batch: 441082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440553

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	100	94.1		mg/Kg		94	80 - 120
Calcium	5000	4550		mg/Kg		91	80 - 120
Chromium	100	91.3		mg/Kg		91	80 - 120
Cobalt	100	89.7		mg/Kg		90	80 - 120
Copper	100	92.4		mg/Kg		92	80 - 120
Iron	1000	892		mg/Kg		89	80 - 120
Lead	100	88.2		mg/Kg		88	80 - 120
Magnesium	5000	4300		mg/Kg		86	80 - 120
Manganese	100	87.2		mg/Kg		87	80 - 120
Nickel	100	91.3		mg/Kg		91	80 - 120
Potassium	5000	4640		mg/Kg		93	80 - 120
Selenium	200	192		mg/Kg		96	80 - 120
Silver	50.0	43.6		mg/Kg		87	80 - 120
Sodium	5000	5040		mg/Kg		101	80 - 120
Thallium	200	176		mg/Kg		88	80 - 120
Vanadium	100	86.8		mg/Kg		87	80 - 120
Zinc	50.0	51.1		mg/Kg		102	80 - 120

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 441082

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 440553

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9200		947	10700	4	mg/Kg	☼	153	75 - 125
Antimony	0.50	J F1	47.3	16.1	F1	mg/Kg	☼	33	75 - 125
Arsenic	7.5		189	194		mg/Kg	☼	98	75 - 125
Barium	76		189	240		mg/Kg	☼	87	75 - 125
Beryllium	0.44		94.7	73.0		mg/Kg	☼	77	75 - 125
Cadmium	0.77		94.7	83.5		mg/Kg	☼	87	75 - 125
Calcium	8300	F1	4730	15400	F1	mg/Kg	☼	149	75 - 125
Chromium	13		94.7	92.1		mg/Kg	☼	84	75 - 125
Cobalt	6.9		94.7	95.7		mg/Kg	☼	94	75 - 125
Copper	44		94.7	124		mg/Kg	☼	85	75 - 125
Iron	20000		947	21600	4	mg/Kg	☼	175	75 - 125
Lead	36		94.7	134		mg/Kg	☼	103	75 - 125
Magnesium	3100		4730	6800		mg/Kg	☼	78	75 - 125
Manganese	270	F1	94.7	506	F1	mg/Kg	☼	248	75 - 125
Nickel	21		94.7	112		mg/Kg	☼	96	75 - 125
Potassium	730		4730	4690		mg/Kg	☼	84	75 - 125
Selenium	ND		189	179		mg/Kg	☼	95	75 - 125
Silver	ND		47.3	40.5		mg/Kg	☼	86	75 - 125
Sodium	50	J	4730	4600		mg/Kg	☼	96	75 - 125
Thallium	ND		189	167		mg/Kg	☼	88	75 - 125
Vanadium	14		94.7	87.8		mg/Kg	☼	78	75 - 125
Zinc	65		47.3	112		mg/Kg	☼	99	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159350-1 MSD — **Client Sample ID: SSHS-IRM5A2-AREAF-B1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441082 — **Prep Batch: 440553**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9200		914	11200	4	mg/Kg	☼	217	75 - 125	5	20
Antimony	0.50	J F1	45.7	17.9	F1	mg/Kg	☼	38	75 - 125	11	20
Arsenic	7.5		183	193		mg/Kg	☼	101	75 - 125	0	20
Barium	76		183	243		mg/Kg	☼	92	75 - 125	1	20
Beryllium	0.44		91.4	73.6		mg/Kg	☼	80	75 - 125	1	20
Cadmium	0.77		91.4	83.7		mg/Kg	☼	91	75 - 125	0	20
Calcium	8300	F1	4570	16600	F1	mg/Kg	☼	182	75 - 125	8	20
Chromium	13		91.4	93.0		mg/Kg	☼	88	75 - 125	1	20
Cobalt	6.9		91.4	97.1		mg/Kg	☼	99	75 - 125	1	20
Copper	44		91.4	128		mg/Kg	☼	92	75 - 125	3	20
Iron	20000		914	21200	4	mg/Kg	☼	138	75 - 125	2	20
Lead	36		91.4	117		mg/Kg	☼	88	75 - 125	13	20
Magnesium	3100		4570	7200		mg/Kg	☼	90	75 - 125	6	20
Manganese	270	F1	91.4	442	F1	mg/Kg	☼	187	75 - 125	13	20
Nickel	21		91.4	113		mg/Kg	☼	101	75 - 125	1	20
Potassium	730		4570	4850		mg/Kg	☼	90	75 - 125	3	20
Selenium	ND		183	175		mg/Kg	☼	96	75 - 125	2	20
Silver	ND		45.7	41.0		mg/Kg	☼	90	75 - 125	1	20
Sodium	50	J	4570	4680		mg/Kg	☼	101	75 - 125	2	20
Thallium	ND		183	166		mg/Kg	☼	91	75 - 125	1	20
Vanadium	14		91.4	89.7		mg/Kg	☼	83	75 - 125	2	20
Zinc	65		45.7	116		mg/Kg	☼	111	75 - 125	4	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440531/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 440672 — **Prep Batch: 440531**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/17/23 08:55	07/18/23 08:52	1

Lab Sample ID: LCS 180-440531/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 440672 — **Prep Batch: 440531**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.408		mg/Kg		98	80 - 120

Lab Sample ID: 180-159350-1 MS — **Client Sample ID: SSHS-IRM5A2-AREAF-B1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 440672 — **Prep Batch: 440531**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.90	F2	0.171	5.76	4	mg/Kg	☼	2840	80 - 120

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-159350-1 MSD
Client Sample ID: SSHS-IRM5A2-AREAF-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440672
Prep Batch: 440531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.90	F2	0.166	2.86	4 F2	mg/Kg	☼	1182	80 - 120	67	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159350-1 DU
Client Sample ID: SSHS-IRM5A2-AREAF-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440469

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	7.3			7.1		%				3	10
Percent Solids	92.7			92.9		%				0.2	10

GC/MS VOA

Analysis Batch: 440759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8260C	440796
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	EPA 8260C	440796
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	EPA 8260C	440796
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	EPA 8260C	440796
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	EPA 8260C	440796
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	EPA 8260C	440796
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	EPA 8260C	440796
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	EPA 8260C	440796
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	EPA 8260C	440796
MB 180-440759/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440759/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440759/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 440796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	5035	
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	5035	
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	5035	
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	5035	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	5035	
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	5035	
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	5035	
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	5035	
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 440540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3541	
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	3541	
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	3541	
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	3541	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	3541	
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	3541	
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	3541	
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	3541	
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	3541	
MB 180-440540/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440540/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3541	
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3541	

Analysis Batch: 440613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8270D	440540
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	EPA 8270D	440540
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	EPA 8270D	440540
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	EPA 8270D	440540
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	EPA 8270D	440540
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	EPA 8270D	440540

GC/MS Semi VOA (Continued)

Analysis Batch: 440613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	EPA 8270D	440540
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	EPA 8270D	440540
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	EPA 8270D	440540
MB 180-440540/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440540
LCS 180-440540/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440540
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8270D	440540
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8270D	440540

GC Semi VOA

Prep Batch: 440539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3541	
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	3541	
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	3541	
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	3541	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	3541	
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	3541	
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	3541	
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	3541	
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	3541	
MB 180-440539/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440539/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3541	
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3541	

Cleanup Batch: 440608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3665A	440539
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	3665A	440539
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	3665A	440539
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	3665A	440539
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	3665A	440539
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	3665A	440539
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	3665A	440539
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	3665A	440539
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	3665A	440539
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3665A	440539
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3665A	440539

Cleanup Batch: 440609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3660B	440608
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	3660B	440608
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	3660B	440608
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	3660B	440608
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	3660B	440608
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	3660B	440608
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	3660B	440608
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	3660B	440608
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	3660B	440608

GC Semi VOA (Continued)

Cleanup Batch: 440609 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3660B	440608
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3660B	440608

Analysis Batch: 440610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8082A	440609
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	EPA 8082A	440609
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	EPA 8082A	440609
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	EPA 8082A	440609
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	EPA 8082A	440609
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	EPA 8082A	440609
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	EPA 8082A	440609
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	EPA 8082A	440609
MB 180-440539/1-A	Method Blank	Total/NA	Solid	EPA 8082A	440539
LCS 180-440539/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	440539
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8082A	440609
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 8082A	440609

Analysis Batch: 440736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	EPA 8082A	440609

Metals

Prep Batch: 440531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	7471B	
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	7471B	
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	7471B	
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	7471B	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	7471B	
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	7471B	
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	7471B	
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	7471B	
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	7471B	
MB 180-440531/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440531/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	7471B	
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	7471B	

Prep Batch: 440553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3050B	
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	3050B	
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	3050B	
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	3050B	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	3050B	
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	3050B	
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	3050B	
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	3050B	
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 440553 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440553/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440553/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3050B	
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	3050B	

Analysis Batch: 440672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 7471B	440531
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	EPA 7471B	440531
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	EPA 7471B	440531
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	EPA 7471B	440531
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	EPA 7471B	440531
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	EPA 7471B	440531
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	EPA 7471B	440531
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	EPA 7471B	440531
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	EPA 7471B	440531
MB 180-440531/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440531
LCS 180-440531/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440531
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 7471B	440531
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 7471B	440531

Analysis Batch: 441082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 6010C	440553
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	EPA 6010C	440553
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	EPA 6010C	440553
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	EPA 6010C	440553
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	EPA 6010C	440553
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	EPA 6010C	440553
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	EPA 6010C	440553
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	EPA 6010C	440553
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	EPA 6010C	440553
MB 180-440553/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440553
LCS 180-440553/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440553
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 6010C	440553
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	EPA 6010C	440553

Analysis Batch: 441111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	EPA 6010C	440553
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	EPA 6010C	440553
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	EPA 6010C	440553
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	EPA 6010C	440553
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	EPA 6010C	440553
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	EPA 6010C	440553

General Chemistry

Analysis Batch: 440469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 440469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-2	SSHS-IRM5A2-AREAF-B2	Total/NA	Solid	2540G	
180-159350-3	SSHS-IRM5A2-AREAF-B3	Total/NA	Solid	2540G	
180-159350-4	SSHS-IRM5A2-AREAF-B4	Total/NA	Solid	2540G	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	2540G	
180-159350-6	SSHS-IRM5A2-AREAF-S1	Total/NA	Solid	2540G	
180-159350-7	SSHS-IRM5A2-AREAF-S2	Total/NA	Solid	2540G	
180-159350-8	SSHS-IRM5A2-AREAF-S3	Total/NA	Solid	2540G	
180-159350-9	SSHS-IRM5A2-DUP305	Total/NA	Solid	2540G	
180-159350-1 DU	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins Environment Testing TestAmerica

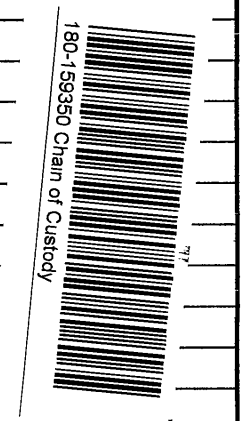
Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested		
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TGL-PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-AREAF-B1	7/14/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-AREAF-B2	7/14/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-B3	7/14/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-B4	7/14/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-B5	7/14/23	1520	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-AREAF-S1	7/14/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-S2	7/14/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-S3	7/14/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP305	7/14/23	--	G	S	N	N	X	X	X	X			8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Stelmach	Date/Time: 7/14/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/15/23 9:59	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

7/21/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-AREAF-B1	7/14/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-AREAF-B2	7/14/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-B3	7/14/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-B4	7/14/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-B5	7/14/23	1520	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-AREAF-S1	7/14/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-S2	7/14/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-AREAF-S3	7/14/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP305	7/14/23	--	G	S	N	N	X	X	X	X			6	

180-159350 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Mu	7/14/23/1800	Geosyntec		7/15/23 900	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 324 | Cooler Temperature(s) °C and Other Remarks: 4.4c

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

Place Field Sheet Label Here

Tracking # : 770176503 8

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 604 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 4.11 °C Corrected: 4.11 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 7-15-23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [illegible] Date: 7-15-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☑	☐
Log Release checked in TALS?	☑	☐	☐

Initials: JF Date: 7/17/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159350-1

Login Number: 159350
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/21/2023 5:40:52 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159350-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/21/2023 5:40:52 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159350-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159350-2

Receipt
The samples were received on 7/15/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.2º C, 3.4º C and 4.4º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: SSHS-IRM5A2-AREAF-B5 (180-159350-5). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was below the established ratio limits for the following sample: SSHS-IRM5A2-AREAF-B5 (180-159350-5). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159350-1	SSHS-IRM5A2-AREAF-B1	Solid	07/14/23 15:00	07/15/23 09:59
180-159350-5	SSHS-IRM5A2-AREAF-B5	Solid	07/14/23 15:20	07/15/23 09:59

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1
Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	691537	07/17/23 19:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	691896	07/19/23 00:01	S1M	EET SAC
	Instrument ID: A24									

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	691537	07/17/23 19:00	FX	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	691896	07/19/23 00:32	S1M	EET SAC
	Instrument ID: A24									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

FX = Fong Xiong

Batch Type: Analysis

S1M = Sudarat Mongkol

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Lab Sample ID: 180-159350-1

Date Collected: 07/14/23 15:00
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 92.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	07/17/23 19:00	07/19/23 00:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C5 PFPeA	*86*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C2 PFHxA	*83*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C4 PFHpA	*80*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C5 PFNA	*84*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C2 PFDA	*76*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C2 PFUnA	*76*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C2 PFDoA	*71*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C3 PFBS	*67*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
18O2 PFHxS	*68*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C4 PFOS	*66*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
13C8 FOSA	*81*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
d3-NMeFOSAA	*66*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
d5-NEtFOSAA	*76*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
M2-6:2 FTS	*64*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:01*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-AREAF-B5
Lab Sample ID: 180-159350-5
Date Collected: 07/14/23 15:20
Matrix: Solid
Date Received: 07/15/23 09:59
Percent Solids: 86.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.17**	**J**	0.22	0.051	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluoropentanoic acid (PFPeA)	**0.14**	**J**	0.22	0.045	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorooctanoic acid (PFOA)	**0.070**	**J**	0.22	0.059	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorooctanesulfonic acid (PFOS)	**0.31**	**I**	0.22	0.048	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	07/17/23 19:00	07/19/23 00:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C5 PFPeA	*92*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C2 PFHxA	*85*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C4 PFHpA	*89*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C5 PFNA	*90*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C2 PFUnA	*79*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C2 PFDoA	*71*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C2 PFTeDA	*64*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C3 PFBS	*84*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
18O2 PFHxS	*78*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C4 PFOS	*80*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
13C8 FOSA	*80*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
d5-NEtFOSAA	*73*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
M2-6:2 FTS	*137*		*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*
M2-8:2 FTS	*158*	**5+*	*25 - 150*	*07/17/23 19:00*	*07/19/23 00:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-691537/1-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/17/23 19:00	07/18/23 23:41	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/17/23 19:00	07/18/23 23:41	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C5 PFPeA	*92*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C2 PFHxA	*91*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C4 PFHpA	*92*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C4 PFOA	*87*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C5 PFNA	*84*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C2 PFDA	*83*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C2 PFUnA	*79*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C2 PFDoA	*76*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C3 PFBS	*87*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
18O2 PFHxS	*84*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C4 PFOS	*84*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
13C8 FOSA	*91*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*07/17/23 19:00*	*07/18/23 23:41*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-691537/2-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.43		ug/Kg		122	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.10		ug/Kg		105	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.28		ug/Kg		114	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.22		ug/Kg		111	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.06		ug/Kg		103	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.38		ug/Kg		119	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.18		ug/Kg		109	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.00		ug/Kg		100	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.30		ug/Kg		115	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.99		ug/Kg		99	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.97		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.98		ug/Kg		111	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.85		ug/Kg		101	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.03		ug/Kg		107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.99		ug/Kg		107	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.78		ug/Kg		92	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.02		ug/Kg		101	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.94		ug/Kg		97	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.07		ug/Kg		103	72 - 132
6:2 FTS	1.90	1.87		ug/Kg		98	73 - 139
8:2 FTS	1.92	1.86		ug/Kg		97	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*87*		*25 - 150*
13C5 PFPeA	*103*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*89*		*25 - 150*
13C2 PFDA	*90*		*25 - 150*
13C2 PFUnA	*90*		*25 - 150*
13C2 PFDoA	*83*		*25 - 150*
13C2 PFTeDA	*76*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*88*		*25 - 150*
13C4 PFOS	*85*		*25 - 150*
13C8 FOSA	*92*		*25 - 150*
d3-NMeFOSAA	*83*		*25 - 150*
d5-NEtFOSAA	*89*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-691537/2-A
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691537

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	103		25 - 150
M2-8:2 FTS	122		25 - 150

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 691537

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.10	2.26		ug/Kg	☼	108	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.10	2.02		ug/Kg	☼	96	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.10	2.13		ug/Kg	☼	102	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.10	2.30		ug/Kg	☼	110	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.10	2.36		ug/Kg	☼	113	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.10	2.54		ug/Kg	☼	121	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.10	2.17		ug/Kg	☼	104	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.10	2.27		ug/Kg	☼	108	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.10	2.06		ug/Kg	☼	98	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.10	2.28		ug/Kg	☼	109	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.10	2.28		ug/Kg	☼	109	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.86	1.76		ug/Kg	☼	95	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.91	1.81		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.00	2.03		ug/Kg	☼	102	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.95	2.00		ug/Kg	☼	103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.02	1.86		ug/Kg	☼	92	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.10	2.05		ug/Kg	☼	98	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.10	2.00		ug/Kg	☼	95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.10	2.14		ug/Kg	☼	102	72 - 132
6:2 FTS	ND		1.99	1.97		ug/Kg	☼	99	73 - 139
8:2 FTS	ND		2.01	1.82		ug/Kg	☼	90	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	99		25 - 150
13C5 PFPeA	108		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	88		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	98		25 - 150
13C2 PFDoA	94		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159350-1 MS
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 691537

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	87		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	81		25 - 150
13C4 PFOS	86		25 - 150
13C8 FOSA	103		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	91		25 - 150
M2-6:2 FTS	83		25 - 150
M2-8:2 FTS	119		25 - 150

Lab Sample ID: 180-159350-1 MSD
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 691537

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.05	2.25		ug/Kg	☼	110	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.05	2.24		ug/Kg	☼	109	69 - 129	10	30
Perfluorohexanoic acid (PFHxA)	ND		2.05	2.31		ug/Kg	☼	113	71 - 131	8	30
Perfluoroheptanoic acid (PFHpA)	ND		2.05	2.25		ug/Kg	☼	110	71 - 131	2	30
Perfluorooctanoic acid (PFOA)	ND		2.05	2.16		ug/Kg	☼	105	72 - 132	9	30
Perfluorononanoic acid (PFNA)	ND		2.05	2.32		ug/Kg	☼	113	73 - 133	9	30
Perfluorodecanoic acid (PFDA)	ND		2.05	2.25		ug/Kg	☼	110	72 - 132	4	30
Perfluoroundecanoic acid (PFUnA)	ND		2.05	2.16		ug/Kg	☼	105	66 - 126	5	30
Perfluorododecanoic acid (PFDoA)	ND		2.05	2.28		ug/Kg	☼	111	71 - 131	10	30
Perfluorotridecanoic acid (PFTriA)	ND		2.05	2.16		ug/Kg	☼	105	71 - 131	5	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.05	2.11		ug/Kg	☼	103	67 - 127	8	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.82	1.94		ug/Kg	☼	107	69 - 129	10	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.87	1.69		ug/Kg	☼	90	62 - 122	7	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.96	2.06		ug/Kg	☼	106	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.91	1.97		ug/Kg	☼	103	68 - 141	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.98	1.87		ug/Kg	☼	95	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	ND		2.05	2.08		ug/Kg	☼	101	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.05	2.02		ug/Kg	☼	99	72 - 132	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.05	2.15		ug/Kg	☼	105	72 - 132	0	30
6:2 FTS	ND		1.95	1.84		ug/Kg	☼	94	73 - 139	7	30
8:2 FTS	ND		1.97	2.04		ug/Kg	☼	104	75 - 135	11	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	83		25 - 150
13C5 PFPeA	91		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159350-1 MSD
Matrix: Solid
Analysis Batch: 691896

Client Sample ID: SSHS-IRM5A2-AREAF-B1
Prep Type: Total/NA
Prep Batch: 691537

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	88		25 - 150
13C4 PFHpA	89		25 - 150
13C4 PFOA	87		25 - 150
13C5 PFNA	84		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDoA	81		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	74		25 - 150
18O2 PFHxS	76		25 - 150
13C4 PFOS	75		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	76		25 - 150
d5-NEtFOSAA	79		25 - 150
M2-6:2 FTS	77		25 - 150
M2-8:2 FTS	90		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159350-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 691537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	SHAKE	
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	SHAKE	
MB 320-691537/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-691537/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	SHAKE	
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	SHAKE	

Analysis Batch: 691896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159350-1	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	537 (modified)	691537
180-159350-5	SSHS-IRM5A2-AREAF-B5	Total/NA	Solid	537 (modified)	691537
MB 320-691537/1-A	Method Blank	Total/NA	Solid	537 (modified)	691537
LCS 320-691537/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	691537
180-159350-1 MS	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	537 (modified)	691537
180-159350-1 MSD	SSHS-IRM5A2-AREAF-B1	Total/NA	Solid	537 (modified)	691537

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TGL-PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-AREAF-B1	7/14/23	1500	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-AREAF-B2	7/14/23	1505	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-B3	7/14/23	1510	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-B4	7/14/23	1515	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-B5	7/14/23	1520	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-AREAF-S1	7/14/23	1525	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S2	7/14/23	1530	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S3	7/14/23	1535	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-DUP305	7/14/23	--	G	S	N	N	X	X	X	X											8	

180-159350 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Stelmach	Date/Time: 7/14/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/15/23 9:59	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-AREAF-B1	7/14/23	1500	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-AREAF-B2	7/14/23	1505	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-AREAF-B3	7/14/23	1510	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-AREAF-B4	7/14/23	1515	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-AREAF-B5	7/14/23	1520	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-AREAF-S1	7/14/23	1525	G	S	N	N	X	X	X	X											
SSHS-IRM5A2-AREAF-S2	7/14/23	1530	G	S	N	N	X	X	X	X											
SSHS-IRM5A2-AREAF-S3	7/14/23	1535	G	S	N	N	X	X	X	X											
SSHS-IRM5A2-DUP305	7/14/23	--	G	S	N	N	X	X	X	X											

180-159350 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Mu	7/14/23/1800	Geosyntec		7/15/23 900	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 2261 | Cooler Temperature(s) °C and Other Remarks: 4.4c

Ver: 01/16/2019

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7/21/2023

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Place Field Sheet Label Here

Tracking # : 777017650388

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 604 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: Seal

Cooler ID: _____

Temp Observed: 4.11 °C Corrected: 4.11 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 7/15/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples require splitting/compositing?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 7/15/23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☑	☐
Log Release checked in TALS?	☑	☐	☐

Initials: JF Date: 7/17/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159350-2

Login Number: 159350
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159350-2

Login Number: 159350
List Number: 2
Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento
List Creation: 07/17/23 08:50 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159406-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-159406-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159406-1

Receipt
The samples were received on 7/18/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 3.4º C, 3.4º C, 3.8º C, 3.8º C, 3.9º C and 5.2º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for batch 180-440628 recovered above the control limits for the following analyte: Methylene Chloride. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-440759 was above the control limits for the following analyte: Acetone. The recoveries were within the control limits.

Method 8260C: Based on the surrogate recoveries, surrogate spiking solution was inadvertently not added to the matrix spike duplicate (MSD) of sample SSHS-ISMP-NAF-UT-S44 (180-159406-11). All target analyte recoveries were within the control limits. The matrix spike duplicate was re-analyzed in a separate batch 3 days later. All recoveries were within the control limits, but three RPDs between the spikes were above the control limits. Results of both analyses were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440628 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, Bromoform, Bromomethane, Chloroethane, and 1,2-Dichloroethane-d4 (surrogater). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440628 was above criteria for the following analyte: Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440759 was below criteria for the following analytes: 2-Hexanone, 4-Methyl-2-pentanone, Bromoform, and 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440759 was above criteria for the following analytes: Chloromethane, Trichlorofluoromethane, and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440981 was above criteria for the following analytes: Trichlorofluoromethane and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S44 (180-159406-11) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440807 was above criteria for the following analytes: Benzaldehyde, Di-n-octyl phthalate, and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Job ID: 180-159406-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: Sample SSHS-ISMP-NAF-UT-S44 (180-159406-11) had the recoveries of surrogate tetrachloro-m-xylene above the control limits on both columns. The recoveries of decachlorobiphenyl were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The following sample was diluted to bring the concentration of iron within the calibration range: SSHS-ISMP-NAF-UT-S46 (180-159406-13). Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, thallium were also reported from dilution due to inter-element corrections associated with iron.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S44 (180-159406-11) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159406-1	SSHS-ISMP-NAF-UT-S35	Solid	07/17/23 14:00	07/18/23 09:20
180-159406-2	SSHS-ISMP-NAF-UT-S36	Solid	07/17/23 14:05	07/18/23 09:20
180-159406-3	SSHS-ISMP-NAF-UT-S37	Solid	07/17/23 14:10	07/18/23 09:20
180-159406-4	SSHS-ISMP-NAF-UT-S38	Solid	07/17/23 14:15	07/18/23 09:20
180-159406-5	SSHS-ISMP-NAF-UT-S39	Solid	07/17/23 14:20	07/18/23 09:20
180-159406-6	SSHS-ISMP-NAF-UT-S40	Solid	07/17/23 14:25	07/18/23 09:20
180-159406-7	SSHS-ISMP-NAF-UT-S41	Solid	07/17/23 14:30	07/18/23 09:20
180-159406-8	SSHS-ISMP-NAF-UT-S42	Solid	07/17/23 14:35	07/18/23 09:20
180-159406-9	SSHS-ISMP-NAF-UT-S43	Solid	07/17/23 14:40	07/18/23 09:20
180-159406-10	SSHS-ISMP-NAF-DUP13A	Solid	07/17/23 00:00	07/18/23 09:20
180-159406-11	SSHS-ISMP-NAF-UT-S44	Solid	07/17/23 14:45	07/18/23 09:20
180-159406-12	SSHS-ISMP-NAF-UT-S45	Solid	07/17/23 14:50	07/18/23 09:20
180-159406-13	SSHS-ISMP-NAF-UT-S46	Solid	07/17/23 14:55	07/18/23 09:20
180-159406-14	SSHS-ISMP-NAF-UT-B11	Solid	07/17/23 15:00	07/18/23 09:20
180-159406-15	SSHS-ISMP-NAF-UT-B12	Solid	07/17/23 15:05	07/18/23 09:20
180-159406-16	SSHS-ISMP-NAF-UT-B13	Solid	07/17/23 15:10	07/18/23 09:20
180-159406-17	SSHS-ISMP-NAF-UT-S47	Solid	07/17/23 15:15	07/18/23 09:20
180-159406-18	SSHS-ISMP-NAF-UT-S48	Solid	07/17/23 15:20	07/18/23 09:20

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2326 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 11:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 10:40	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 11:10	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.61 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 15:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:28	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4625 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 17:25	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 11:02	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 11:28	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.68 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 15:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:29	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3
Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3
Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2308 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 17:48	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 11:24	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 11:46	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.61 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 15:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:30	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4
Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4
Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 18:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 11:46	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 12:03	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.64 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:01	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:31	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5
Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5
Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 18:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 12:08	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5
Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 12:21	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.87 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:06	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 11:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 12:30	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 12:38	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.63 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7
Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7
Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3026 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 19:19	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 12:52	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 12:56	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.62 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:37	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8
Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8
Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3318 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 19:41	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 13:14	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8
Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 13:49	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.58 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:38	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9
Date Collected: 07/17/23 14:40
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9
Date Collected: 07/17/23 14:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4629 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 20:04	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 13:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 14:07	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.68 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:39	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4319 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 20:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 13:58	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 14:25	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.69 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:40	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0304 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 14:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 09:34	VVP	EET PIT
	Instrument ID: CH733									

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 10:17	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.71 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 15:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:25	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12
Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12
Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1658 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440628	07/18/23 20:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 14:20	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 14:42	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.74 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13
Date Collected: 07/17/23 14:55
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13
Date Collected: 07/17/23 14:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2649 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 12:03	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 14:42	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 15:00	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.63 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 16:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			.63 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		10			441198	07/21/23 16:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14
Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14
Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3176 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 12:25	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14
Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 15:04	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 15:18	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.60 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 17:01	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15
Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15
Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 12:48	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 15:26	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 15:35	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.70 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 17:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4627 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 13:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 15:48	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 15:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.66 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 17:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17
Date Collected: 07/17/23 15:15
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17
Date Collected: 07/17/23 15:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3789 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 13:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 16:10	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17
Date Collected: 07/17/23 15:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 16:10	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.68 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 17:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18
Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440706	07/18/23 14:48	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18
Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2298 g	5 mL	440690	07/18/23 13:32	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 13:55	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440752	07/19/23 07:42	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 16:32	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440710	07/18/23 16:01	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440729	07/19/23 04:23	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440730	07/19/23 04:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 16:28	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.64 g	50 mL	440678	07/19/23 09:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 17:22	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440696	07/19/23 07:55	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:49	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

JSM = Joseph Moore
MEG = Megan Gray
MTW = Michael Wesoloski
PJJ = Patrick Journet
SJM = Shannon Mueller

Batch Type: Analysis

AAS = Ariana Swick
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
SNR = Sabra Richart
VVP = Vincent Piccolino

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.0	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1

Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/19/23 07:46*	*07/19/23 11:17*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*07/19/23 07:46*	*07/19/23 11:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*07/19/23 07:46*	*07/19/23 11:17*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*07/19/23 07:46*	*07/19/23 11:17*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Acenaphthylene	ND		72	16	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Acetophenone	ND		720	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Anthracene	ND		72	19	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Atrazine	ND		720	160	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Benzaldehyde	ND		720	44	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Benzo[a]anthracene	**32**	**J**	72	32	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Benzo[b]fluoranthene	**47**	**J**	72	18	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Benzo[g,h,i]perylene	**31**	**J**	72	15	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Carbazole	ND		72	17	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Chrysene	**84**		72	40	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Di-n-octyl phthalate	ND	*+	350	210	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Fluoranthene	**42**	**J**	72	19	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Fluorene	ND		72	14	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Hexachloroethane	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Isophorone	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2-Methylnaphthalene	**44**	**J**	72	17	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Methylphenol, 3 & 4	ND		350	110	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Naphthalene	**22**	**J**	72	14	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Nitrobenzene	ND		720	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Phenanthrene	**120**		72	19	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Phenol	ND		350	110	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
Pyrene	**53**	**J**	72	17	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/19/23 07:42	07/20/23 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/19/23 07:42*	*07/20/23 10:40*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 10:40*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*07/19/23 07:42*	*07/20/23 10:40*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 10:40*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*07/19/23 07:42*	*07/20/23 10:40*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*07/19/23 07:42*	*07/20/23 10:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1254	**82**		18	5.4	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1260	**89**		18	5.1	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/18/23 16:01	07/19/23 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*07/18/23 16:01*	*07/19/23 11:10*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*07/18/23 16:01*	*07/19/23 11:10*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/18/23 16:01*	*07/19/23 11:10*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/18/23 16:01*	*07/19/23 11:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4400**		18	4.4	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Antimony	**0.76**	**J**	0.88	0.27	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Arsenic	**12**		0.88	0.55	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Barium	**200**		18	3.1	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Beryllium	**0.50**		0.35	0.096	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Cadmium	**0.86**		0.44	0.065	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Calcium	**1800**		440	57	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Chromium	**44**		0.44	0.40	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Cobalt	**7.0**		4.4	0.62	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Copper	**150**		2.2	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Iron	**25000**		8.8	8.6	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Lead	**180**		0.88	0.77	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Magnesium	**860**		440	48	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Manganese	**200**		1.3	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Nickel	**36**		3.5	0.44	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Potassium	**480**		440	75	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Selenium	**2.2**		0.88	0.41	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Silver	**0.34**	**J**	0.44	0.092	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Sodium	**150**	**J**	440	45	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Thallium	ND		1.8	0.25	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Vanadium	**23**		4.4	0.70	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1
Zinc	**100**		1.8	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 15:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.14**		0.035	0.022	mg/Kg	☼	07/19/23 07:55	07/20/23 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.9**		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	**93.1**		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Methylene Chloride	ND	*+	5.5	4.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*07/18/23 13:32*	*07/18/23 17:25*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*07/18/23 13:32*	*07/18/23 17:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*07/18/23 13:32*	*07/18/23 17:25*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*07/18/23 13:32*	*07/18/23 17:25*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Acetophenone	ND		790	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Anthracene	ND		79	20	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Atrazine	ND		790	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Carbazole	ND		79	18	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Chrysene	ND		79	44	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Di-n-octyl phthalate	ND	*+	390	230	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Fluoranthene	ND		79	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Fluorene	ND		79	15	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Isophorone	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Naphthalene	ND		79	15	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Phenol	ND		390	120	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
Pyrene	ND		79	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/19/23 07:42*	*07/20/23 11:02*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 11:02*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*07/19/23 07:42*	*07/20/23 11:02*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 11:02*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/19/23 07:42*	*07/20/23 11:02*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*07/19/23 07:42*	*07/20/23 11:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1260	ND		20	5.7	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/18/23 16:01	07/19/23 11:28	1

Client Sample ID: SSHS-ISMP-NAF-UT-S36
Lab Sample ID: 180-159406-2
Date Collected: 07/17/23 14:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/18/23 16:01*	*07/19/23 11:28*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/18/23 16:01*	*07/19/23 11:28*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/18/23 16:01*	*07/19/23 11:28*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*55 - 135*	*07/18/23 16:01*	*07/19/23 11:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		18	4.4	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Antimony	ND		0.88	0.27	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Arsenic	**6.1**		0.88	0.55	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Barium	**74**		18	3.1	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Beryllium	**0.39**		0.35	0.096	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Cadmium	**0.56**		0.44	0.065	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Calcium	**1100**		440	57	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Chromium	**11**		0.44	0.40	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Cobalt	**6.0**		4.4	0.62	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Copper	**20**		2.2	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Iron	**18000**		8.8	8.6	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Lead	**10**		0.88	0.77	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Magnesium	**2200**		440	48	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Manganese	**380**		1.3	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Nickel	**16**		3.5	0.44	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Potassium	**410**	**J**	440	75	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Selenium	ND		0.88	0.41	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Silver	ND		0.44	0.092	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Sodium	ND		440	45	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Thallium	**0.27**	**J**	1.8	0.25	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Vanadium	**15**		4.4	0.70	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1
Zinc	**53**		1.8	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 15:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/19/23 07:55	07/20/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.5**		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	**83.5**		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3
Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 75.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**10**	**J**	32	5.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Benzene	ND		6.4	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Bromoform	ND		6.4	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Bromomethane	ND		6.4	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
2-Butanone (MEK)	ND		32	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Carbon disulfide	ND		6.4	5.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3
Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 75.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		6.4	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Chlorobenzene	ND		6.4	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Chlorobromomethane	ND		6.4	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Chlorodibromomethane	ND		6.4	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Chloroethane	ND		6.4	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Chloroform	ND		6.4	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Chloromethane	ND		6.4	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
cis-1,2-Dichloroethene	ND		6.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
cis-1,3-Dichloropropene	ND		6.4	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Cyclohexane	ND		6.4	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2-Dibromo-3-Chloropropane	ND		6.4	4.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2-Dibromoethane	ND		6.4	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2-Dichlorobenzene	ND		6.4	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,3-Dichlorobenzene	ND		6.4	3.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,4-Dichlorobenzene	ND		6.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Dichlorobromomethane	ND		6.4	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Dichlorodifluoromethane	ND		6.4	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,1-Dichloroethane	ND		6.4	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2-Dichloroethane	ND		6.4	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,1-Dichloroethene	ND		6.4	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2-Dichloroethene, Total	ND		13	5.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2-Dichloropropane	ND		6.4	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,4-Dioxane	ND		1300	97	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Ethylbenzene	ND		6.4	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
2-Hexanone	ND		32	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Isopropylbenzene	ND		6.4	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Methyl acetate	ND		32	9.4	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Methylcyclohexane	ND		6.4	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Methylene Chloride	ND	*+	6.4	5.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Methyl tert-butyl ether	ND		6.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
m-Xylene & p-Xylene	ND		6.4	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
o-Xylene	ND		6.4	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Styrene	ND		6.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,1,2,2-Tetrachloroethane	ND		6.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Tetrachloroethene	ND		6.4	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Toluene	ND		6.4	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
trans-1,2-Dichloroethene	ND		6.4	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
trans-1,3-Dichloropropene	ND		6.4	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2,3-Trichlorobenzene	ND		13	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,2,4-Trichlorobenzene	ND		6.4	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,1,1-Trichloroethane	ND		6.4	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,1,2-Trichloroethane	ND		6.4	1.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Trichloroethene	ND		6.4	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Trichlorofluoromethane	ND		6.4	5.3	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Vinyl chloride	ND		6.4	4.6	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1
Xylenes, Total	ND		13	9.2	ug/Kg	☼	07/18/23 13:32	07/18/23 17:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3

Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 75.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/18/23 13:32*	*07/18/23 17:48*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*07/18/23 13:32*	*07/18/23 17:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*07/18/23 13:32*	*07/18/23 17:48*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*07/18/23 13:32*	*07/18/23 17:48*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		89	26	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Acenaphthylene	ND		89	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Acetophenone	ND		890	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Anthracene	ND		89	23	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Atrazine	ND		890	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Benzaldehyde	ND		890	55	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Benzo[a]anthracene	ND		89	40	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Benzo[a]pyrene	ND		89	39	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Benzo[b]fluoranthene	ND		89	22	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Benzo[g,h,i]perylene	ND		89	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Benzo[k]fluoranthene	ND		89	27	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
1,1'-Biphenyl	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Bis(2-chloroethoxy)methane	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Bis(2-chloroethyl)ether	ND		89	16	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Bis(2-ethylhexyl) phthalate	ND		4400	470	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4-Bromophenyl phenyl ether	ND		440	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Butyl benzyl phthalate	ND		440	310	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Caprolactam	ND		2300	290	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Carbazole	ND		89	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4-Chloroaniline	ND		440	120	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4-Chloro-3-methylphenol	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2-Chloronaphthalene	ND		89	20	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2-Chlorophenol	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4-Chlorophenyl phenyl ether	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Chrysene	ND		89	49	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Dibenz(a,h)anthracene	ND		89	57	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Dibenzofuran	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
3,3'-Dichlorobenzidine	ND		440	410	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,4-Dichlorophenol	ND		89	34	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Diethyl phthalate	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,4-Dimethylphenol	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Dimethyl phthalate	ND		440	180	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Di-n-butyl phthalate	ND		440	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4,6-Dinitro-2-methylphenol	ND		2300	770	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,4-Dinitrophenol	ND		4400	2800	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,4-Dinitrotoluene	ND		440	270	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,6-Dinitrotoluene	ND		440	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Di-n-octyl phthalate	ND	*+	440	260	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
1,4-Dioxane	ND		890	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Fluoranthene	ND		89	23	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Fluorene	ND		89	17	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Hexachlorobenzene	ND		89	32	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Hexachlorobutadiene	ND		89	26	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3
Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 75.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		440	45	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Hexachloroethane	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Indeno[1,2,3-cd]pyrene	ND		89	44	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Isophorone	ND		440	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2-Methylnaphthalene	ND		89	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2-Methylphenol	ND		440	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Methylphenol, 3 & 4	ND		440	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Naphthalene	ND		89	17	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
3-Nitroaniline	ND		2300	110	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4-Nitroaniline	ND		2300	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Nitrobenzene	ND		890	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2-Nitrophenol	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
4-Nitrophenol	ND		2300	310	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
N-Nitrosodi-n-propylamine	ND		89	30	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
N-Nitrosodiphenylamine	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,2'-oxybis[1-chloropropane]	ND		89	33	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Pentachlorophenol	ND		2300	720	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Phenanthrene	ND		89	24	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Phenol	ND		440	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
Pyrene	ND		89	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
1,2,4,5-Tetrachlorobenzene	ND		440	180	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,3,4,6-Tetrachlorophenol	ND		440	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,4,5-Trichlorophenol	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1
2,4,6-Trichlorophenol	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/19/23 07:42*	*07/20/23 11:24*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 11:24*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:42*	*07/20/23 11:24*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 11:24*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/19/23 07:42*	*07/20/23 11:24*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*07/19/23 07:42*	*07/20/23 11:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	7.2	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1221	ND		22	7.8	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1232	ND		22	5.4	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1242	ND		22	3.2	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1248	ND		22	5.3	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1254	ND		22	6.6	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1260	ND		22	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1262	ND		22	7.8	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1
PCB-1268	ND		22	3.0	ug/Kg	☼	07/18/23 16:01	07/19/23 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/18/23 16:01*	*07/19/23 11:46*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/18/23 16:01*	*07/19/23 11:46*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/18/23 16:01*	*07/19/23 11:46*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S37
Lab Sample ID: 180-159406-3
Date Collected: 07/17/23 14:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 75.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	75		55 - 135	07/18/23 16:01	07/19/23 11:46	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		22	5.5	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Antimony	ND		1.1	0.33	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Arsenic	7.3		1.1	0.69	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Barium	160		22	3.9	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Beryllium	0.51		0.44	0.12	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Cadmium	0.49	J	0.55	0.080	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Calcium	680		550	71	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Chromium	12		0.55	0.50	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Cobalt	5.7		5.5	0.77	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Copper	15		2.7	1.7	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Iron	16000		11	11	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Lead	32		1.1	0.95	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Magnesium	1900		550	60	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Manganese	510		1.6	0.30	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Nickel	13		4.4	0.55	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Potassium	440	J	550	93	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Selenium	1.0	J	1.1	0.50	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Silver	ND		0.55	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Sodium	ND		550	56	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Thallium	0.49	J	2.2	0.31	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Vanadium	17		5.5	0.87	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1
Zinc	56		2.2	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 15:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.47		0.043	0.027	mg/Kg	☼	07/19/23 07:55	07/20/23 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	25.0		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	75.0		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4
Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 74.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		31	4.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Benzene	ND		6.3	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Bromoform	ND		6.3	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Bromomethane	ND		6.3	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
2-Butanone (MEK)	ND		31	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Carbon disulfide	ND		6.3	5.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Carbon tetrachloride	ND		6.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Chlorobenzene	ND		6.3	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4
Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 74.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		6.3	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Chlorodibromomethane	ND		6.3	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Chloroethane	ND		6.3	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Chloroform	ND		6.3	4.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Chloromethane	ND		6.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
cis-1,2-Dichloroethene	ND		6.3	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
cis-1,3-Dichloropropene	ND		6.3	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Cyclohexane	ND		6.3	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2-Dibromo-3-Chloropropane	ND		6.3	4.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2-Dibromoethane	ND		6.3	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2-Dichlorobenzene	ND		6.3	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,3-Dichlorobenzene	ND		6.3	3.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,4-Dichlorobenzene	ND		6.3	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Dichlorobromomethane	ND		6.3	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Dichlorodifluoromethane	ND		6.3	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,1-Dichloroethane	ND		6.3	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2-Dichloroethane	ND		6.3	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,1-Dichloroethene	ND		6.3	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2-Dichloroethene, Total	ND		13	5.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2-Dichloropropane	ND		6.3	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,4-Dioxane	ND		1300	95	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Ethylbenzene	ND		6.3	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
2-Hexanone	ND		31	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Isopropylbenzene	ND		6.3	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Methyl acetate	ND		31	9.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Methylcyclohexane	ND		6.3	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Methylene Chloride	ND	*+	6.3	5.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Methyl tert-butyl ether	ND		6.3	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
m-Xylene & p-Xylene	ND		6.3	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
o-Xylene	ND		6.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Styrene	ND		6.3	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,1,2,2-Tetrachloroethane	ND		6.3	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Tetrachloroethene	ND		6.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Toluene	ND		6.3	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
trans-1,2-Dichloroethene	ND		6.3	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
trans-1,3-Dichloropropene	ND		6.3	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2,3-Trichlorobenzene	ND		13	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,2,4-Trichlorobenzene	ND		6.3	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,1,1-Trichloroethane	ND		6.3	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,1,2-Trichloroethane	ND		6.3	1.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Trichloroethene	ND		6.3	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Trichlorofluoromethane	ND		6.3	5.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Vinyl chloride	ND		6.3	4.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1
Xylenes, Total	ND		13	9.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*07/18/23 13:32*	*07/18/23 18:10*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/18/23 13:32*	*07/18/23 18:10*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4
Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 74.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*07/18/23 13:32*	*07/18/23 18:10*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*07/18/23 13:32*	*07/18/23 18:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		89	26	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Acenaphthylene	ND		89	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Acetophenone	ND		890	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Anthracene	**40**	**J**	89	23	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Atrazine	ND		890	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Benzaldehyde	ND		890	55	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Benzo[a]anthracene	**62**	**J**	89	40	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Benzo[a]pyrene	**58**	**J**	89	38	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Benzo[b]fluoranthene	**55**	**J**	89	22	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Benzo[g,h,i]perylene	**52**	**J**	89	19	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Benzo[k]fluoranthene	**49**	**J**	89	27	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
1,1'-Biphenyl	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Bis(2-chloroethoxy)methane	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Bis(2-chloroethyl)ether	ND		89	16	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Bis(2-ethylhexyl) phthalate	ND		4400	470	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4-Bromophenyl phenyl ether	ND		440	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Butyl benzyl phthalate	ND		440	300	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Caprolactam	ND		2300	290	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Carbazole	**37**	**J**	89	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4-Chloroaniline	ND		440	120	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4-Chloro-3-methylphenol	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2-Chloronaphthalene	ND		89	20	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2-Chlorophenol	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4-Chlorophenyl phenyl ether	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Chrysene	**79**	**J**	89	49	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Dibenz(a,h)anthracene	ND		89	57	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Dibenzofuran	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
3,3'-Dichlorobenzidine	ND		440	410	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,4-Dichlorophenol	ND		89	34	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Diethyl phthalate	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,4-Dimethylphenol	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Dimethyl phthalate	ND		440	180	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Di-n-butyl phthalate	ND		440	190	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4,6-Dinitro-2-methylphenol	ND		2300	760	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,4-Dinitrophenol	ND		4400	2800	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,4-Dinitrotoluene	ND		440	260	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,6-Dinitrotoluene	ND		440	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Di-n-octyl phthalate	ND	*+	440	260	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
1,4-Dioxane	ND		890	140	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Fluoranthene	**70**	**J**	89	23	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Fluorene	**27**	**J**	89	17	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Hexachlorobenzene	ND		89	32	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Hexachlorobutadiene	ND		89	26	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Hexachlorocyclopentadiene	ND		440	45	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4

Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 74.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Indeno[1,2,3-cd]pyrene	**46**	**J**	89	44	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Isophorone	ND		440	170	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2-Methylnaphthalene	ND		89	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2-Methylphenol	ND		440	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Methylphenol, 3 & 4	ND		440	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Naphthalene	ND		89	17	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
3-Nitroaniline	ND		2300	110	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4-Nitroaniline	ND		2300	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Nitrobenzene	ND		890	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2-Nitrophenol	ND		440	160	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
4-Nitrophenol	ND		2300	310	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
N-Nitrosodi-n-propylamine	ND		89	30	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
N-Nitrosodiphenylamine	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,2'-oxybis[1-chloropropane]	ND		89	33	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Pentachlorophenol	ND		2300	710	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Phenanthrene	**61**	**J**	89	24	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Phenol	ND		440	130	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
Pyrene	**76**	**J**	89	21	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
1,2,4,5-Tetrachlorobenzene	ND		440	180	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,3,4,6-Tetrachlorophenol	ND		440	180	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,4,5-Trichlorophenol	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1
2,4,6-Trichlorophenol	ND		440	150	ug/Kg	☼	07/19/23 07:42	07/20/23 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/19/23 07:42*	*07/20/23 11:46*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 11:46*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*07/19/23 07:42*	*07/20/23 11:46*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*07/19/23 07:42*	*07/20/23 11:46*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*07/19/23 07:42*	*07/20/23 11:46*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*07/19/23 07:42*	*07/20/23 11:46*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	7.2	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1221	ND		22	7.8	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1232	ND		22	5.4	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1242	ND		22	3.2	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1248	ND		22	5.3	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1254	ND		22	6.6	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1260	ND		22	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1262	ND		22	7.7	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1
PCB-1268	ND		22	3.0	ug/Kg	☼	07/18/23 16:01	07/19/23 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:03*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:03*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:03*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:03*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S38
Lab Sample ID: 180-159406-4
Date Collected: 07/17/23 14:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 74.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		21	5.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Antimony	ND		1.0	0.32	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Arsenic	**7.1**		1.0	0.66	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Barium	**110**		21	3.7	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Beryllium	**0.48**		0.42	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Cadmium	**0.73**		0.52	0.077	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Calcium	**2300**		520	68	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Chromium	**13**		0.52	0.48	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Cobalt	**8.1**		5.2	0.74	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Copper	**19**		2.6	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Iron	**21000**		10	10	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Lead	**21**		1.0	0.91	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Magnesium	**2700**		520	57	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Manganese	**620**		1.6	0.29	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Nickel	**20**		4.2	0.53	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Potassium	**580**		520	89	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Selenium	ND		1.0	0.48	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Sodium	ND		520	54	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Thallium	**0.45**	**J**	2.1	0.30	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Vanadium	**18**		5.2	0.83	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1
Zinc	**67**		2.1	1.5	mg/Kg	☼	07/19/23 09:00	07/21/23 16:01	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**		0.041	0.027	mg/Kg	☼	07/19/23 07:55	07/20/23 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**25.3**		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	**74.7**		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5
Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Benzene	ND		4.9	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5
Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,4-Dioxane	ND		980	75	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
2-Hexanone	ND		25	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Methylene Chloride	ND	*+	4.9	4.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Styrene	ND		4.9	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Toluene	ND		4.9	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	07/18/23 13:32	07/18/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*07/18/23 13:32*	*07/18/23 18:33*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*07/18/23 13:32*	*07/18/23 18:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*07/18/23 13:32*	*07/18/23 18:33*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/18/23 13:32*	*07/18/23 18:33*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5

Date Collected: 07/17/23 14:20
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Acetophenone	ND		700	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Anthracene	ND		70	18	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Atrazine	ND		700	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Carbazole	ND		70	16	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Chrysene	ND		70	39	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Fluorene	ND		70	14	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Isophorone	ND		340	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5

Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Naphthalene	ND		70	14	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Phenol	ND		340	110	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
Pyrene	ND		70	16	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/19/23 07:42*	*07/20/23 12:08*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 12:08*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*07/19/23 07:42*	*07/20/23 12:08*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 12:08*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*07/19/23 07:42*	*07/20/23 12:08*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*07/19/23 07:42*	*07/20/23 12:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1221	ND		17	6.2	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1232	ND		17	4.3	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1242	ND		17	2.6	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1248	ND		17	4.2	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1260	ND		17	5.0	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1262	ND		17	6.1	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/18/23 16:01	07/19/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:21*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:21*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:21*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		12	3.1	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Antimony	ND		0.62	0.19	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1

Client Sample ID: SSHS-ISMP-NAF-UT-S39
Lab Sample ID: 180-159406-5

Date Collected: 07/17/23 14:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 92.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.8		0.62	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Barium	47		12	2.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Beryllium	0.35		0.25	0.067	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Cadmium	0.55		0.31	0.045	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Calcium	940		310	40	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Chromium	9.1		0.31	0.28	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Cobalt	6.5		3.1	0.44	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Copper	19		1.5	0.93	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Iron	15000		6.2	6.0	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Lead	11		0.62	0.54	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Magnesium	1800		310	34	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Manganese	500		0.93	0.17	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Nickel	17		2.5	0.31	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Potassium	430		310	53	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Selenium	ND		0.62	0.29	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Silver	ND		0.31	0.064	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Sodium	ND		310	32	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Thallium	ND		1.2	0.18	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Vanadium	12		3.1	0.49	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1
Zinc	51		1.2	0.90	mg/Kg	☼	07/19/23 09:00	07/21/23 16:06	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	07/19/23 07:55	07/20/23 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.1		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	92.9		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6

Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	27	4.2	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/19/23 07:46	07/19/23 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/19/23 07:46*	*07/19/23 11:40*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*07/19/23 07:46*	*07/19/23 11:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*07/19/23 07:46*	*07/19/23 11:40*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*07/19/23 07:46*	*07/19/23 11:40*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**24**	**J**	76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**610**		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Acetophenone	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Anthracene	**320**		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Atrazine	ND		760	170	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Benzo[a]anthracene	**650**		76	34	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Benzo[a]pyrene	**690**		76	33	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Benzo[b]fluoranthene	**820**		76	19	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Benzo[g,h,i]perylene	**760**		76	16	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Benzo[k]fluoranthene	**380**		76	23	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Carbazole	**48**	**J**	76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Chrysene	**810**		76	42	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Dibenz(a,h)anthracene	**180**		76	49	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Di-n-octyl phthalate	ND	*+	380	220	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Fluoranthene	**750**		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Fluorene	**43**	**J**	76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Indeno[1,2,3-cd]pyrene	**580**		76	38	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Isophorone	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2-Methylnaphthalene	**380**		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**620**		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Phenanthrene	**430**		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Phenol	ND		380	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
Pyrene	**890**		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/19/23 07:42*	*07/20/23 12:30*	*1*
2-Fluorophenol (Surr)	*57*		*48 - 105*	*07/19/23 07:42*	*07/20/23 12:30*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*07/19/23 07:42*	*07/20/23 12:30*	*1*
Phenol-d5 (Surr)	*52*		*46 - 105*	*07/19/23 07:42*	*07/20/23 12:30*	*1*
Terphenyl-d14 (Surr)	*58*		*39 - 105*	*07/19/23 07:42*	*07/20/23 12:30*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*07/19/23 07:42*	*07/20/23 12:30*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1254	**50**		19	5.7	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1260	**55**		19	5.4	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/18/23 16:01	07/19/23 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:38*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:38*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:38*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3900**		18	4.5	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Antimony	**0.82**	**J**	0.90	0.27	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Arsenic	**12**		0.90	0.57	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	200		18	3.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Beryllium	0.56		0.36	0.099	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Cadmium	1.3		0.45	0.066	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Calcium	6800		450	58	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Chromium	21		0.45	0.41	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Cobalt	6.5		4.5	0.64	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Copper	140		2.3	1.4	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Iron	30000		9.0	8.8	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Lead	100		0.90	0.79	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Magnesium	2700		450	50	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Manganese	150		1.4	0.25	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Nickel	30		3.6	0.46	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Potassium	470		450	77	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Selenium	1.6		0.90	0.42	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Silver	0.20	J	0.45	0.094	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Sodium	170	J	450	46	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Thallium	ND		1.8	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Vanadium	23		4.5	0.72	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1
Zinc	99		1.8	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070		0.037	0.024	mg/Kg	☼	07/19/23 07:55	07/20/23 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.3		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	87.7		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7
Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	150		31	4.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Benzene	ND		6.1	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Bromoform	ND		6.1	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Bromomethane	ND		6.1	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
2-Butanone (MEK)	ND		31	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Carbon disulfide	ND		6.1	4.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Carbon tetrachloride	ND		6.1	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Chlorobenzene	ND		6.1	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Chlorobromomethane	ND		6.1	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Chlorodibromomethane	ND		6.1	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Chloroethane	ND		6.1	3.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Chloroform	ND		6.1	4.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Chloromethane	ND		6.1	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
cis-1,2-Dichloroethene	ND		6.1	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
cis-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7
Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		6.1	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2-Dibromo-3-Chloropropane	ND		6.1	4.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2-Dibromoethane	ND		6.1	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2-Dichlorobenzene	ND		6.1	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,3-Dichlorobenzene	ND		6.1	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,4-Dichlorobenzene	ND		6.1	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Dichlorobromomethane	ND		6.1	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Dichlorodifluoromethane	ND		6.1	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,1-Dichloroethane	ND		6.1	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2-Dichloroethane	ND		6.1	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,1-Dichloroethene	ND		6.1	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2-Dichloroethene, Total	ND		12	5.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2-Dichloropropane	ND		6.1	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,4-Dioxane	ND		1200	93	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Ethylbenzene	ND		6.1	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
2-Hexanone	ND		31	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Isopropylbenzene	ND		6.1	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Methyl acetate	ND		31	9.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Methylcyclohexane	ND		6.1	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Methylene Chloride	ND	*+	6.1	5.5	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Methyl tert-butyl ether	ND		6.1	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
m-Xylene & p-Xylene	ND		6.1	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
o-Xylene	ND		6.1	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Styrene	ND		6.1	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,1,2,2-Tetrachloroethane	ND		6.1	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Tetrachloroethene	ND		6.1	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Toluene	ND		6.1	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
trans-1,2-Dichloroethene	ND		6.1	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
trans-1,3-Dichloropropene	ND		6.1	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2,3-Trichlorobenzene	ND		12	3.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,2,4-Trichlorobenzene	ND		6.1	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,1,1-Trichloroethane	ND		6.1	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,1,2-Trichloroethane	ND		6.1	1.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Trichloroethene	ND		6.1	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Trichlorofluoromethane	ND		6.1	5.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Vinyl chloride	ND		6.1	4.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1
Xylenes, Total	ND		12	8.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*07/18/23 13:32*	*07/18/23 19:19*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/18/23 13:32*	*07/18/23 19:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*07/18/23 13:32*	*07/18/23 19:19*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*07/18/23 13:32*	*07/18/23 19:19*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		85	24	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Acenaphthylene	**25**	**J**	85	19	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7
Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		850	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Anthracene	ND		85	22	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Atrazine	ND		850	190	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Benzaldehyde	ND		850	53	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Benzo[a]anthracene	**95**		85	38	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Benzo[a]pyrene	**97**		85	37	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Benzo[b]fluoranthene	**200**		85	21	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Benzo[g,h,i]perylene	**130**		85	18	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Benzo[k]fluoranthene	**66**	**J**	85	25	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
1,1'-Biphenyl	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Bis(2-chloroethoxy)methane	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Bis(2-chloroethyl)ether	ND		85	15	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Bis(2-ethylhexyl) phthalate	ND		4200	450	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4-Bromophenyl phenyl ether	ND		420	180	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Butyl benzyl phthalate	ND		420	290	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Caprolactam	ND		2200	280	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Carbazole	ND		85	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4-Chloroaniline	ND		420	110	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4-Chloro-3-methylphenol	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2-Chloronaphthalene	ND		85	19	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2-Chlorophenol	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4-Chlorophenyl phenyl ether	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Chrysene	**160**		85	47	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Dibenz(a,h)anthracene	ND		85	54	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Dibenzofuran	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
3,3'-Dichlorobenzidine	ND		420	400	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,4-Dichlorophenol	ND		85	33	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Diethyl phthalate	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,4-Dimethylphenol	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Dimethyl phthalate	ND		420	170	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Di-n-butyl phthalate	ND		420	190	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4,6-Dinitro-2-methylphenol	ND		2200	730	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,4-Dinitrophenol	ND		4200	2600	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,4-Dinitrotoluene	ND		420	250	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,6-Dinitrotoluene	ND		420	170	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Di-n-octyl phthalate	ND	*+	420	250	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
1,4-Dioxane	ND		850	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Fluoranthene	**180**		85	22	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Fluorene	ND		85	17	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Hexachlorobenzene	ND		85	30	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Hexachlorobutadiene	ND		85	25	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Hexachlorocyclopentadiene	ND		420	43	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Hexachloroethane	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Indeno[1,2,3-cd]pyrene	**100**		85	42	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Isophorone	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2-Methylnaphthalene	ND		85	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2-Methylphenol	ND		420	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Methylphenol, 3 & 4	ND		420	120	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Naphthalene	ND		85	17	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7

Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2200	190	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
3-Nitroaniline	ND		2200	110	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4-Nitroaniline	ND		2200	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Nitrobenzene	ND		850	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2-Nitrophenol	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
4-Nitrophenol	ND		2200	300	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
N-Nitrosodi-n-propylamine	ND		85	29	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
N-Nitrosodiphenylamine	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,2'-oxybis[1-chloropropane]	ND		85	31	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Pentachlorophenol	ND		2200	680	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Phenanthrene	**41**	**J**	85	23	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Phenol	ND		420	130	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
Pyrene	**190**		85	20	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
1,2,4,5-Tetrachlorobenzene	ND		420	170	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,3,4,6-Tetrachlorophenol	ND		420	180	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,4,5-Trichlorophenol	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1
2,4,6-Trichlorophenol	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*44 - 105*	*07/19/23 07:42*	*07/20/23 12:52*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*07/19/23 07:42*	*07/20/23 12:52*	*1*
Nitrobenzene-d5 (Surr)	*54*		*46 - 105*	*07/19/23 07:42*	*07/20/23 12:52*	*1*
Phenol-d5 (Surr)	*50*		*46 - 105*	*07/19/23 07:42*	*07/20/23 12:52*	*1*
Terphenyl-d14 (Surr)	*54*		*39 - 105*	*07/19/23 07:42*	*07/20/23 12:52*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*07/19/23 07:42*	*07/20/23 12:52*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1221	ND		21	7.5	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1232	ND		21	5.1	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1242	ND		21	3.1	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1248	ND		21	5.1	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1254	ND		21	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1260	ND		21	6.0	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1262	ND		21	7.4	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1
PCB-1268	ND		21	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:56*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/18/23 16:01*	*07/19/23 12:56*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:56*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/18/23 16:01*	*07/19/23 12:56*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		21	5.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Antimony	**0.76**	**J**	1.0	0.32	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Arsenic	**9.3**		1.0	0.66	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Barium	**130**		21	3.7	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S41
Lab Sample ID: 180-159406-7

Date Collected: 07/17/23 14:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.46		0.42	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Cadmium	0.86		0.52	0.077	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Calcium	2200		520	68	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Chromium	10		0.52	0.48	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Cobalt	5.8		5.2	0.74	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Copper	35		2.6	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Iron	24000		10	10	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Lead	120		1.0	0.91	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Magnesium	1600		520	57	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Manganese	480		1.6	0.29	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Nickel	15		4.2	0.53	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Potassium	450	J	520	89	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Selenium	0.49	J	1.0	0.48	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Sodium	ND		520	54	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Thallium	ND		2.1	0.30	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Vanadium	13		5.2	0.83	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1
Zinc	98		2.1	1.5	mg/Kg	☼	07/19/23 09:00	07/21/23 16:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.099		0.041	0.027	mg/Kg	☼	07/19/23 07:55	07/20/23 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	22.9		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	77.1		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8

Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Benzene	ND		5.9	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Carbon disulfide	ND		5.9	4.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Chlorobromomethane	ND		5.9	3.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Chloroethane	ND		5.9	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Chloroform	ND		5.9	4.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Chloromethane	ND		5.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8
Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,3-Dichlorobenzene	ND		5.9	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Dichlorodifluoromethane	ND		5.9	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,4-Dioxane	ND		1200	90	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Methylcyclohexane	ND		5.9	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Methylene Chloride	ND	*+	5.9	5.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Styrene	ND		5.9	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Toluene	ND		5.9	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Vinyl chloride	ND		5.9	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1
Xylenes, Total	ND		12	8.6	ug/Kg	☼	07/18/23 13:32	07/18/23 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*07/18/23 13:32*	*07/18/23 19:41*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*07/18/23 13:32*	*07/18/23 19:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*07/18/23 13:32*	*07/18/23 19:41*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*07/18/23 13:32*	*07/18/23 19:41*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Acenaphthylene	ND		84	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Acetophenone	ND		840	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8
Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Atrazine	ND		840	180	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Benzaldehyde	ND		840	52	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Benzo[a]anthracene	ND		84	38	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Benzo[a]pyrene	ND		84	36	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Benzo[b]fluoranthene	**34**	**J**	84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Benzo[g,h,i]perylene	**21**	**J**	84	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Benzo[k]fluoranthene	ND		84	25	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Butyl benzyl phthalate	ND		410	290	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Carbazole	ND		84	19	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Chrysene	ND		84	46	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Dibenz(a,h)anthracene	ND		84	53	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Dibenzofuran	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Di-n-octyl phthalate	ND	*+	410	240	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Fluoranthene	**39**	**J**	84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Fluorene	ND		84	16	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Hexachlorobutadiene	ND		84	24	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Hexachlorocyclopentadiene	ND		410	43	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Hexachloroethane	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Indeno[1,2,3-cd]pyrene	ND		84	41	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Isophorone	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2-Methylnaphthalene	ND		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2-Methylphenol	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Naphthalene	ND		84	16	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8

Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2100	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Nitrobenzene	ND		840	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Phenanthrene	ND		84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Phenol	ND		410	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
Pyrene	**38**	**J**	84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*07/19/23 07:42*	*07/20/23 13:14*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 13:14*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*07/19/23 07:42*	*07/20/23 13:14*	*1*
Phenol-d5 (Surr)	*57*		*46 - 105*	*07/19/23 07:42*	*07/20/23 13:14*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/19/23 07:42*	*07/20/23 13:14*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*07/19/23 07:42*	*07/20/23 13:14*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1221	ND		21	7.3	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1232	ND		21	5.0	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1242	ND		21	3.0	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1248	ND		21	5.0	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1254	ND		21	6.2	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1260	ND		21	5.9	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1262	ND		21	7.3	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1
PCB-1268	ND		21	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/18/23 16:01*	*07/19/23 13:49*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/18/23 16:01*	*07/19/23 13:49*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:01*	*07/19/23 13:49*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/18/23 16:01*	*07/19/23 13:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		22	5.4	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Antimony	ND		1.1	0.33	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Arsenic	**6.8**		1.1	0.68	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Barium	**100**		22	3.9	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Beryllium	**0.41**	**J**	0.44	0.12	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1

Client Sample ID: SSHS-ISMP-NAF-UT-S42
Lab Sample ID: 180-159406-8

Date Collected: 07/17/23 14:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.48	J	0.55	0.080	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Calcium	2000		550	71	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Chromium	9.6		0.55	0.50	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Cobalt	5.0	J	5.5	0.77	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Copper	18		2.7	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Iron	15000		11	11	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Lead	31		1.1	0.95	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Magnesium	1600		550	60	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Manganese	470		1.6	0.30	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Nickel	12		4.4	0.55	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Potassium	440	J	550	93	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Selenium	ND		1.1	0.50	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Silver	ND		0.55	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Sodium	ND		550	56	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Thallium	0.39	J	2.2	0.31	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Vanadium	15		5.5	0.86	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1
Zinc	48		2.2	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 16:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061		0.039	0.025	mg/Kg	☼	07/19/23 07:55	07/20/23 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	21.0		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	79.0		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9

Date Collected: 07/17/23 14:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9

Date Collected: 07/17/23 14:40
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 86.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Methylene Chloride	ND	*+	5.3	4.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/18/23 13:32*	*07/18/23 20:04*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*07/18/23 13:32*	*07/18/23 20:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*07/18/23 13:32*	*07/18/23 20:04*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*07/18/23 13:32*	*07/18/23 20:04*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Acetophenone	ND		760	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Anthracene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9
Date Collected: 07/17/23 14:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		760	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Carbazole	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Chrysene	ND		76	42	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Di-n-octyl phthalate	ND	*+	370	220	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Fluoranthene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Fluorene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Isophorone	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Naphthalene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9

Date Collected: 07/17/23 14:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Phenanthrene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Phenol	ND		370	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
Pyrene	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/19/23 07:42*	*07/20/23 13:36*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/19/23 07:42*	*07/20/23 13:36*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*07/19/23 07:42*	*07/20/23 13:36*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 13:36*	*1*
Terphenyl-d14 (Surr)	*64*		*39 - 105*	*07/19/23 07:42*	*07/20/23 13:36*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*07/19/23 07:42*	*07/20/23 13:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/18/23 16:01	07/19/23 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/18/23 16:01*	*07/19/23 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/18/23 16:01*	*07/19/23 14:07*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*07/18/23 16:01*	*07/19/23 14:07*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*	*07/18/23 16:01*	*07/19/23 14:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		17	4.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Antimony	ND		0.86	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Arsenic	**8.7**		0.86	0.54	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Barium	**77**		17	3.0	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Beryllium	**0.53**		0.34	0.093	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Cadmium	**0.75**		0.43	0.063	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1

Client Sample ID: SSHS-ISMP-NAF-UT-S43
Lab Sample ID: 180-159406-9

Date Collected: 07/17/23 14:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2500		430	55	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Chromium	12		0.43	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Cobalt	8.4		4.3	0.60	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Copper	27		2.1	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Iron	23000		8.6	8.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Lead	27		0.86	0.74	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Magnesium	2500		430	47	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Manganese	460		1.3	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Nickel	21		3.4	0.43	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Potassium	690		430	73	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Selenium	ND		0.86	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Silver	ND		0.43	0.089	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Sodium	ND		430	44	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Vanadium	17		4.3	0.68	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1
Zinc	62		1.7	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030	J	0.038	0.024	mg/Kg	☼	07/19/23 07:55	07/20/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.0		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	86.0		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10

Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10

Date Collected: 07/17/23 00:00
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Methylene Chloride	ND	*+	5.4	4.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/18/23 13:32*	*07/18/23 20:26*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*07/18/23 13:32*	*07/18/23 20:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*07/18/23 13:32*	*07/18/23 20:26*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*07/18/23 13:32*	*07/18/23 20:26*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Acetophenone	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Anthracene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Atrazine	ND		760	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		760	47	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Carbazole	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Chrysene	ND		76	42	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Dibenz(a,h)anthracene	ND		76	49	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Di-n-octyl phthalate	ND	*+	380	220	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Fluoranthene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Fluorene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Isophorone	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Naphthalene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10

Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Phenanthrene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Phenol	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
Pyrene	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/19/23 07:42*	*07/20/23 13:58*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*07/19/23 07:42*	*07/20/23 13:58*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:42*	*07/20/23 13:58*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 13:58*	*1*
Terphenyl-d14 (Surr)	*66*		*39 - 105*	*07/19/23 07:42*	*07/20/23 13:58*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*07/19/23 07:42*	*07/20/23 13:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1221	ND		19	6.9	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1242	ND		19	2.9	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1248	ND		19	4.7	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1262	ND		19	6.9	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/18/23 16:01	07/19/23 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/18/23 16:01*	*07/19/23 14:25*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/18/23 16:01*	*07/19/23 14:25*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/18/23 16:01*	*07/19/23 14:25*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/18/23 16:01*	*07/19/23 14:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		17	4.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Antimony	ND		0.85	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Arsenic	**6.7**		0.85	0.53	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Barium	**60**		17	3.0	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Beryllium	**0.42**		0.34	0.092	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Cadmium	**0.52**		0.42	0.062	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Calcium	**1400**		420	55	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1

Client Sample ID: SSHS-ISMP-NAF-DUP13A
Lab Sample ID: 180-159406-10
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	10		0.42	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Cobalt	6.2		4.2	0.60	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Copper	16		2.1	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Iron	16000		8.5	8.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Lead	16		0.85	0.74	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Magnesium	2000		420	47	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Manganese	340		1.3	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Nickel	16		3.4	0.43	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Potassium	450		420	72	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Selenium	ND		0.85	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Silver	ND		0.42	0.088	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Sodium	ND		420	43	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Vanadium	13		4.2	0.67	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1
Zinc	58		1.7	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J	0.037	0.024	mg/Kg	☼	07/19/23 07:55	07/20/23 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.5		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	85.5		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Methylene Chloride	ND	*+	5.7	5.2	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/18/23 13:32	07/18/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*07/18/23 13:32*	*07/18/23 14:01*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*07/18/23 13:32*	*07/18/23 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*73 - 135*	*07/18/23 13:32*	*07/18/23 14:01*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*07/18/23 13:32*	*07/18/23 14:01*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Acetophenone	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Anthracene	ND		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Atrazine	ND	F1	760	170	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Benzaldehyde	ND	F1	760	47	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**43**	**J**	76	34	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Benzo[a]pyrene	**36**	**J**	76	33	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Benzo[b]fluoranthene	**35**	**J**	76	19	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Benzo[g,h,i]perylene	**21**	**J**	76	16	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Benzo[k]fluoranthene	**23**	**J**	76	23	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Carbazole	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4-Chloroaniline	ND	F1	370	99	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Chrysene	**42**	**J**	76	42	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4,6-Dinitro-2-methylphenol	ND	F1	1900	650	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,4-Dinitrophenol	ND	F1	3700	2400	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Di-n-octyl phthalate	ND	*+	370	220	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Fluoranthene	**53**	**J**	76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Fluorene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Hexachlorocyclopentadiene	ND	F1	370	39	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Isophorone	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Naphthalene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11

Date Collected: 07/17/23 14:45
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 86.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Phenanthrene	**21**	**J**	76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Phenol	ND		370	110	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
Pyrene	**56**	**J**	76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:42	07/20/23 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/19/23 07:42*	*07/20/23 09:34*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/19/23 07:42*	*07/20/23 09:34*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*07/19/23 07:42*	*07/20/23 09:34*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*07/19/23 07:42*	*07/20/23 09:34*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/19/23 07:42*	*07/20/23 09:34*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*07/19/23 07:42*	*07/20/23 09:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/18/23 16:01	07/19/23 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*136*		*63 - 138*	*07/18/23 16:01*	*07/19/23 10:17*	*1*
DCB Decachlorobiphenyl (Surr)	*133*		*63 - 138*	*07/18/23 16:01*	*07/19/23 10:17*	*1*
Tetrachloro-m-xylene (Surr)	*154*	*S1+*	*55 - 135*	*07/18/23 16:01*	*07/19/23 10:17*	*1*
Tetrachloro-m-xylene (Surr)	*150*	*S1+*	*55 - 135*	*07/18/23 16:01*	*07/19/23 10:17*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		16	4.0	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Antimony	ND	F1	0.81	0.25	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Arsenic	**4.9**		0.81	0.51	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Barium	**80**	**F1**	16	2.9	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Beryllium	**0.39**		0.32	0.088	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Cadmium	**0.65**		0.41	0.059	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Calcium	**1700**		410	52	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Chromium	**11**		0.41	0.37	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	6.9		4.1	0.57	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Copper	33	F1	2.0	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Iron	19000	F2	8.1	7.9	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Lead	26		0.81	0.71	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Magnesium	2300	F1	410	44	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Manganese	480	F2	1.2	0.23	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Nickel	18		3.2	0.41	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Potassium	550		410	69	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Selenium	ND		0.81	0.37	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Silver	ND		0.41	0.084	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Sodium	86	J	410	41	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Vanadium	15		4.1	0.64	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1
Zinc	63	F2 F1	1.6	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 15:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	J	0.035	0.022	mg/Kg	☼	07/19/23 07:55	07/20/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.1		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	86.9		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12
Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Benzene	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Chloroform	ND		6.0	4.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
cis-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12
Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,4-Dioxane	ND		1200	91	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Methylene Chloride	ND	*+	6.0	5.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Styrene	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Toluene	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,2,4-Trichlorobenzene	ND		6.0	3.1	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	07/18/23 13:32	07/18/23 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*07/18/23 13:32*	*07/18/23 20:49*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/18/23 13:32*	*07/18/23 20:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*07/18/23 13:32*	*07/18/23 20:49*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*07/18/23 13:32*	*07/18/23 20:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Acenaphthylene	ND		83	18	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Acetophenone	ND		830	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Anthracene	ND		83	21	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Atrazine	ND		830	180	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Benzaldehyde	ND		830	51	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12
Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		83	36	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Benzo[b]fluoranthene	ND		83	20	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Carbazole	ND		83	19	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Chrysene	ND		83	46	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Dibenzofuran	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Di-n-octyl phthalate	ND	*+	410	240	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Fluoranthene	ND		83	22	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Fluorene	ND		83	16	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Hexachlorobenzene	ND		83	29	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Hexachloroethane	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Isophorone	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2-Methylphenol	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Naphthalene	ND		83	16	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Nitrobenzene	ND		830	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12

Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,2'-oxybis[1-chloropropane]	ND		83	30	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Phenanthrene	ND		83	22	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Phenol	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
Pyrene	ND		83	19	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*44 - 105*	*07/19/23 07:42*	*07/20/23 14:20*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*07/19/23 07:42*	*07/20/23 14:20*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 105*	*07/19/23 07:42*	*07/20/23 14:20*	*1*
Phenol-d5 (Surr)	*52*		*46 - 105*	*07/19/23 07:42*	*07/20/23 14:20*	*1*
Terphenyl-d14 (Surr)	*60*		*39 - 105*	*07/19/23 07:42*	*07/20/23 14:20*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*07/19/23 07:42*	*07/20/23 14:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1242	ND		20	3.0	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1260	ND		20	5.7	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1262	ND		20	7.1	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/18/23 16:01	07/19/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/18/23 16:01*	*07/19/23 14:42*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/18/23 16:01*	*07/19/23 14:42*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/18/23 16:01*	*07/19/23 14:42*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/18/23 16:01*	*07/19/23 14:42*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		17	4.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Antimony	ND		0.84	0.25	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Arsenic	**6.5**		0.84	0.53	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Barium	**150**		17	3.0	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Beryllium	**0.46**		0.34	0.091	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Cadmium	**0.57**		0.42	0.062	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Calcium	**2700**		420	54	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Chromium	**11**		0.42	0.38	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Cobalt	**6.4**		4.2	0.59	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1

Client Sample ID: SSHS-ISMP-NAF-UT-S45
Lab Sample ID: 180-159406-12

Date Collected: 07/17/23 14:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	16		2.1	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Iron	18000		8.4	8.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Lead	30		0.84	0.73	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Magnesium	2200		420	46	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Manganese	610		1.3	0.23	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Nickel	15		3.4	0.42	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Potassium	470		420	71	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Selenium	ND		0.84	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Silver	ND		0.42	0.087	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Sodium	ND		420	43	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Thallium	0.38	J	1.7	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Vanadium	16		4.2	0.66	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1
Zinc	56		1.7	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.038	0.025	mg/Kg	☼	07/19/23 07:55	07/20/23 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	19.5		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	80.5		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13

Date Collected: 07/17/23 14:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	27	4.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13
Date Collected: 07/17/23 14:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*07/18/23 13:32*	*07/19/23 12:03*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*07/18/23 13:32*	*07/19/23 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*07/18/23 13:32*	*07/19/23 12:03*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*07/18/23 13:32*	*07/19/23 12:03*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Acenaphthylene	**27**	**J**	76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Acetophenone	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Anthracene	**34**	**J**	76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Atrazine	ND		760	170	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Benzo[a]anthracene	**250**		76	34	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Benzo[a]pyrene	**230**		76	33	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13
Date Collected: 07/17/23 14:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**250**		76	19	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Benzo[g,h,i]perylene	**160**		76	16	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Benzo[k]fluoranthene	**92**		76	23	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Carbazole	**21**	**J**	76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Chrysene	**270**		76	42	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Dibenz(a,h)anthracene	ND		76	49	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Di-n-octyl phthalate	ND	*+	380	220	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Fluoranthene	**430**		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Fluorene	ND		76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Indeno[1,2,3-cd]pyrene	**120**		76	38	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Isophorone	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2-Methylnaphthalene	**37**	**J**	76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Naphthalene	**19**	**J**	76	15	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13

Date Collected: 07/17/23 14:55
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Phenanthrene	**160**		76	20	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Phenol	ND		380	110	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
Pyrene	**410**		76	18	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:42	07/20/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/19/23 07:42*	*07/20/23 14:42*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*07/19/23 07:42*	*07/20/23 14:42*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*07/19/23 07:42*	*07/20/23 14:42*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*07/19/23 07:42*	*07/20/23 14:42*	*1*
Terphenyl-d14 (Surr)	*64*		*39 - 105*	*07/19/23 07:42*	*07/20/23 14:42*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/19/23 07:42*	*07/20/23 14:42*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1254	**30**		19	5.6	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1260	**66**		19	5.4	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/18/23 16:01	07/19/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:00*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:00*	*1*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:00*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		18	4.5	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Antimony	**1.3**		0.91	0.28	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Arsenic	**15**		9.1	5.7	mg/Kg	☼	07/19/23 09:00	07/21/23 16:56	10
Barium	**62**		18	3.2	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Beryllium	**0.41**		0.36	0.099	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Cadmium	**1.7**	**J**	4.5	0.67	mg/Kg	☼	07/19/23 09:00	07/21/23 16:56	10
Calcium	**2100**		450	59	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Chromium	**13**		0.45	0.41	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Cobalt	**11**		4.5	0.64	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Copper	**140**		2.3	1.4	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1

Client Sample ID: SSHS-ISMP-NAF-UT-S46
Lab Sample ID: 180-159406-13

Date Collected: 07/17/23 14:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	51000		91	88	mg/Kg	☼	07/19/23 09:00	07/21/23 16:56	10
Lead	180		9.1	7.9	mg/Kg	☼	07/19/23 09:00	07/21/23 16:56	10
Magnesium	1800		450	50	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Manganese	650		1.4	0.25	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Nickel	42		3.6	0.46	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Potassium	460		450	77	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Selenium	ND		0.91	0.42	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Silver	ND		0.45	0.094	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Sodium	ND		450	47	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Thallium	ND		18	2.6	mg/Kg	☼	07/19/23 09:00	07/21/23 16:56	10
Vanadium	13		4.5	0.72	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1
Zinc	130		1.8	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 16:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.037	0.024	mg/Kg	☼	07/19/23 07:55	07/20/23 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.6		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	87.4		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14

Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	30	4.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Benzene	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Bromomethane	ND		6.0	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Carbon tetrachloride	ND		6.0	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Chloroform	ND		6.0	4.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
cis-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2-Dibromoethane	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14
Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,4-Dioxane	ND		1200	92	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Methyl acetate	ND		30	8.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Methylene Chloride	ND		6.0	5.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
m-Xylene & p-Xylene	ND		6.0	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Styrene	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Toluene	ND		6.0	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,2,4-Trichlorobenzene	ND		6.0	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Vinyl chloride	ND		6.0	4.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*07/18/23 13:32*	*07/19/23 12:25*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*07/18/23 13:32*	*07/19/23 12:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*	*07/18/23 13:32*	*07/19/23 12:25*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*07/18/23 13:32*	*07/19/23 12:25*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Acenaphthylene	ND		84	18	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Acetophenone	ND		840	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Anthracene	ND		84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Atrazine	ND		840	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Benzaldehyde	ND		840	52	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Benzo[a]anthracene	ND		84	38	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Benzo[a]pyrene	ND		84	36	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Benzo[b]fluoranthene	ND		84	21	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14
Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		84	18	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Benzo[k]fluoranthene	ND		84	25	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
1,1'-Biphenyl	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Bis(2-chloroethoxy)methane	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Bis(2-ethylhexyl) phthalate	ND		4200	450	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4-Bromophenyl phenyl ether	ND		420	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Butyl benzyl phthalate	ND		420	290	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Carbazole	ND		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4-Chloroaniline	ND		420	110	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4-Chloro-3-methylphenol	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2-Chlorophenol	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4-Chlorophenyl phenyl ether	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Chrysene	ND		84	47	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Dibenz(a,h)anthracene	ND		84	54	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Dibenzofuran	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
3,3'-Dichlorobenzidine	ND		420	390	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Diethyl phthalate	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,4-Dimethylphenol	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Dimethyl phthalate	ND		420	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Di-n-butyl phthalate	ND		420	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,4-Dinitrophenol	ND		4200	2600	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,4-Dinitrotoluene	ND		420	250	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,6-Dinitrotoluene	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Di-n-octyl phthalate	ND	*+	420	240	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Fluoranthene	ND		84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Fluorene	ND		84	17	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Hexachlorobutadiene	ND		84	25	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Hexachlorocyclopentadiene	ND		420	43	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Hexachloroethane	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Indeno[1,2,3-cd]pyrene	ND		84	42	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Isophorone	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2-Methylnaphthalene	ND		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2-Methylphenol	ND		420	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Methylphenol, 3 & 4	ND		420	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Naphthalene	ND		84	16	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Nitrobenzene	ND		840	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2-Nitrophenol	ND		420	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
4-Nitrophenol	ND		2100	300	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14
Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Pentachlorophenol	ND		2100	680	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Phenanthrene	ND		84	23	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Phenol	ND		420	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
Pyrene	ND		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
1,2,4,5-Tetrachlorobenzene	ND		420	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,3,4,6-Tetrachlorophenol	ND		420	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,4,5-Trichlorophenol	ND		420	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1
2,4,6-Trichlorophenol	ND		420	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/19/23 07:42*	*07/20/23 15:04*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*07/19/23 07:42*	*07/20/23 15:04*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*07/19/23 07:42*	*07/20/23 15:04*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*07/19/23 07:42*	*07/20/23 15:04*	*1*
Terphenyl-d14 (Surr)	*64*		*39 - 105*	*07/19/23 07:42*	*07/20/23 15:04*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*07/19/23 07:42*	*07/20/23 15:04*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	7.0	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1221	ND		21	7.6	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1232	ND		21	5.2	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1242	ND		21	3.1	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1248	ND		21	5.1	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1254	ND		21	6.4	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1260	ND		21	6.1	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1262	ND		21	7.5	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1
PCB-1268	ND		21	2.9	ug/Kg	☼	07/18/23 16:01	07/19/23 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:18*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:18*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:18*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		21	5.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Antimony	ND		1.1	0.32	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Arsenic	**6.6**		1.1	0.67	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Barium	**110**		21	3.8	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Beryllium	**0.47**		0.43	0.12	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Cadmium	**0.55**		0.54	0.079	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Calcium	**1100**		540	69	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Chromium	**12**		0.54	0.49	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Cobalt	**6.5**		5.4	0.75	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Copper	**19**		2.7	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Iron	**18000**		11	10	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-B11
Lab Sample ID: 180-159406-14

Date Collected: 07/17/23 15:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 77.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		1.1	0.93	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Magnesium	2200		540	59	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Manganese	460		1.6	0.30	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Nickel	15		4.3	0.54	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Potassium	430	J	540	91	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Selenium	ND		1.1	0.49	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Silver	ND		0.54	0.11	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Sodium	ND		540	55	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Thallium	0.45	J	2.1	0.30	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Vanadium	16		5.4	0.85	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1
Zinc	64		2.1	1.6	mg/Kg	☼	07/19/23 09:00	07/21/23 17:01	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.099		0.039	0.025	mg/Kg	☼	07/19/23 07:55	07/20/23 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	22.2		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	77.8		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15

Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	28	4.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15
Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Methyl tert-butyl ether	ND		5.6	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/18/23 13:32	07/19/23 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*07/18/23 13:32*	*07/19/23 12:48*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*07/18/23 13:32*	*07/19/23 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*07/18/23 13:32*	*07/19/23 12:48*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*07/18/23 13:32*	*07/19/23 12:48*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Acenaphthylene	**24**	**J**	79	17	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Acetophenone	ND		790	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Anthracene	ND		79	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Atrazine	ND		790	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Benzo[a]anthracene	**77**	**J**	79	35	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Benzo[a]pyrene	**63**	**J**	79	34	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Benzo[b]fluoranthene	**71**	**J**	79	19	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Benzo[g,h,i]perylene	**49**	**J**	79	17	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15
Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**33**	**J**	79	24	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Carbazole	ND		79	18	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Chrysene	**69**	**J**	79	44	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Di-n-octyl phthalate	ND	*+	390	230	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Fluoranthene	**94**		79	21	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Fluorene	ND		79	15	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Isophorone	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Naphthalene	ND		79	15	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15
Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Phenanthrene	**36**	**J**	79	21	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Phenol	ND		390	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
Pyrene	**120**		79	19	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*07/19/23 07:42*	*07/20/23 15:26*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*07/19/23 07:42*	*07/20/23 15:26*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*07/19/23 07:42*	*07/20/23 15:26*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 15:26*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*07/19/23 07:42*	*07/20/23 15:26*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*07/19/23 07:42*	*07/20/23 15:26*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1254	**25**		20	6.0	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1260	**31**		20	5.6	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/18/23 16:01	07/19/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:35*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:35*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:35*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Antimony	ND		0.86	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Arsenic	**6.5**		0.86	0.54	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Barium	**74**		17	3.1	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Beryllium	**0.53**		0.34	0.093	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Cadmium	**0.63**		0.43	0.063	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Calcium	**1300**		430	55	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Chromium	**14**		0.43	0.39	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Cobalt	**6.8**		4.3	0.60	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Copper	**14**		2.1	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Iron	**19000**		8.6	8.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Lead	**15**		0.86	0.75	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B12
Lab Sample ID: 180-159406-15

Date Collected: 07/17/23 15:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 83.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**2300**		430	47	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Manganese	**470**		1.3	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Nickel	**16**		3.4	0.43	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Potassium	**550**		430	73	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Selenium	ND		0.86	0.40	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Silver	ND		0.43	0.089	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Sodium	ND		430	44	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Thallium	**0.30**	**J**	1.7	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Vanadium	**20**		4.3	0.68	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1
Zinc	**55**		1.7	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 17:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.035	0.023	mg/Kg	☼	07/19/23 07:55	07/20/23 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.6**		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	**83.4**		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16

Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	29	4.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Chloroethane	ND		5.7	3.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Dichlorodifluoromethane	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Toluene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2,3-Trichlorobenzene	ND		11	3.2	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Trichlorofluoromethane	ND		5.7	4.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1
Xylenes, Total	ND		11	8.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/18/23 13:32*	*07/19/23 13:10*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*07/18/23 13:32*	*07/19/23 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*07/18/23 13:32*	*07/19/23 13:10*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*07/18/23 13:32*	*07/19/23 13:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Acenaphthylene	ND		84	18	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Acetophenone	ND		840	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Anthracene	ND		84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Atrazine	ND		840	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Benzaldehyde	ND		840	52	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Benzo[a]anthracene	**66**	**J**	84	38	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Benzo[a]pyrene	**77**	**J**	84	36	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Benzo[b]fluoranthene	**74**	**J**	84	21	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Benzo[g,h,i]perylene	**53**	**J**	84	18	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Benzo[k]fluoranthene	**34**	**J**	84	25	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Bis(2-ethylhexyl) phthalate	ND		4100	450	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Butyl benzyl phthalate	ND		410	290	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Carbazole	ND		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Chrysene	**68**	**J**	84	46	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Dibenz(a,h)anthracene	ND		84	54	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Dibenzofuran	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Dimethyl phthalate	ND		410	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Di-n-octyl phthalate	ND	*+	410	240	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Fluoranthene	**96**		84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Fluorene	ND		84	16	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Hexachlorobutadiene	ND		84	24	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Hexachlorocyclopentadiene	ND		410	43	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Hexachloroethane	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Indeno[1,2,3-cd]pyrene	ND		84	42	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Isophorone	ND		410	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2-Methylnaphthalene	ND		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2-Methylphenol	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Naphthalene	ND		84	16	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Nitrobenzene	ND		840	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16

Date Collected: 07/17/23 15:10
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 79.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		2100	670	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Phenanthrene	**25**	**J**	84	22	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Phenol	ND		410	130	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
Pyrene	**98**		84	20	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
1,2,4,5-Tetrachlorobenzene	ND		410	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,4,5-Trichlorophenol	ND		410	150	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	07/19/23 07:42	07/20/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/19/23 07:42*	*07/20/23 15:48*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/19/23 07:42*	*07/20/23 15:48*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*07/19/23 07:42*	*07/20/23 15:48*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*07/19/23 07:42*	*07/20/23 15:48*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/19/23 07:42*	*07/20/23 15:48*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/19/23 07:42*	*07/20/23 15:48*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1221	ND		21	7.3	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1232	ND		21	5.1	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1242	ND		21	3.0	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1248	ND		21	5.0	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1254	ND		21	6.2	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1260	ND		21	5.9	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1262	ND		21	7.3	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1
PCB-1268	ND		21	2.8	ug/Kg	☼	07/18/23 16:01	07/19/23 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:53*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/18/23 16:01*	*07/19/23 15:53*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:53*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/18/23 16:01*	*07/19/23 15:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		19	4.7	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Antimony	ND		0.95	0.29	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Arsenic	**8.0**		0.95	0.60	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Barium	**110**		19	3.4	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Beryllium	**0.51**		0.38	0.10	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Cadmium	**0.74**		0.47	0.070	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Calcium	**2300**		470	61	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Chromium	**13**		0.47	0.43	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Cobalt	**8.3**		4.7	0.67	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Copper	**17**		2.4	1.4	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Iron	**21000**		9.5	9.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Lead	**29**		0.95	0.83	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Magnesium	**2700**		470	52	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	500		1.4	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Nickel	21		3.8	0.48	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Potassium	570		470	81	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Selenium	ND		0.95	0.44	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Silver	ND		0.47	0.099	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Sodium	ND		470	49	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Thallium	0.30	J	1.9	0.27	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Vanadium	17		4.7	0.75	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1
Zinc	69		1.9	1.4	mg/Kg	☼	07/19/23 09:00	07/21/23 17:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096		0.036	0.023	mg/Kg	☼	07/19/23 07:55	07/20/23 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	20.3		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	79.7		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17
Date Collected: 07/17/23 15:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 91.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	26	4.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17

Date Collected: 07/17/23 15:15
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 91.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*07/18/23 13:32*	*07/19/23 13:33*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*07/18/23 13:32*	*07/19/23 13:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*07/18/23 13:32*	*07/19/23 13:33*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*07/18/23 13:32*	*07/19/23 13:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Acetophenone	ND		730	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Anthracene	ND		73	19	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Atrazine	ND		730	160	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Benzo[a]pyrene	ND		73	32	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17
Date Collected: 07/17/23 15:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 91.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Carbazole	ND		73	17	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Chrysene	ND		73	40	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Di-n-octyl phthalate	ND	*+	360	210	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Fluoranthene	**25**	**J**	73	19	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Fluorene	ND		73	14	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Isophorone	ND		360	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Naphthalene	ND		73	14	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17

Date Collected: 07/17/23 15:15
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 91.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		73	20	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Phenol	ND		360	110	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
Pyrene	**23**	**J**	73	17	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/19/23 07:42*	*07/20/23 16:10*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/19/23 07:42*	*07/20/23 16:10*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:42*	*07/20/23 16:10*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*07/19/23 07:42*	*07/20/23 16:10*	*1*
Terphenyl-d14 (Surr)	*63*		*39 - 105*	*07/19/23 07:42*	*07/20/23 16:10*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*07/19/23 07:42*	*07/20/23 16:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/18/23 16:01	07/19/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/18/23 16:01*	*07/19/23 16:10*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/18/23 16:01*	*07/19/23 16:10*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/18/23 16:01*	*07/19/23 16:10*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/18/23 16:01*	*07/19/23 16:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		16	4.0	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Antimony	ND		0.81	0.24	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Arsenic	**4.8**		0.81	0.51	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Barium	**92**		16	2.9	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Beryllium	**0.37**		0.32	0.088	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Cadmium	**0.47**		0.40	0.059	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Calcium	**1500**		400	52	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Chromium	**9.0**		0.40	0.37	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Cobalt	**4.6**		4.0	0.57	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Copper	**14**		2.0	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Iron	**14000**		8.1	7.9	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Lead	**17**		0.81	0.70	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Magnesium	**1600**		400	44	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Manganese	**410**		1.2	0.22	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-S47
Lab Sample ID: 180-159406-17
Date Collected: 07/17/23 15:15
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 91.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**12**		3.2	0.41	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Potassium	**410**		400	69	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Selenium	ND		0.81	0.37	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Silver	ND		0.40	0.084	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Sodium	ND		400	41	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Vanadium	**13**		4.0	0.64	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1
Zinc	**45**		1.6	1.2	mg/Kg	☼	07/19/23 09:00	07/21/23 17:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.032	0.020	mg/Kg	☼	07/19/23 07:55	07/20/23 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.0**		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	**91.0**		0.1	0.1	%			07/18/23 14:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18
Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 84.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	28	4.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18
Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 84.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/18/23 13:32	07/19/23 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*07/18/23 13:32*	*07/19/23 13:55*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*07/18/23 13:32*	*07/19/23 13:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*07/18/23 13:32*	*07/19/23 13:55*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*07/18/23 13:32*	*07/19/23 13:55*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Acenaphthylene	ND		80	17	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Acetophenone	ND		800	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Anthracene	ND		80	21	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Atrazine	ND		800	170	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Benzaldehyde	ND		800	49	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Benzo[a]pyrene	ND		80	34	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Benzo[b]fluoranthene	ND		80	20	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18

Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 84.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Carbazole	ND		80	19	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Chrysene	ND		80	44	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Di-n-octyl phthalate	ND	*+	390	230	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Fluoranthene	**26**	**J**	80	21	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Fluorene	ND		80	16	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Hexachlorobenzene	ND		80	28	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Indeno[1,2,3-cd]pyrene	ND		80	39	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Isophorone	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Naphthalene	ND		80	15	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Phenanthrene	ND		80	21	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18
Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 84.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		390	120	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
Pyrene	**24**	**J**	80	19	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/19/23 07:42	07/20/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*07/19/23 07:42*	*07/20/23 16:32*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*07/19/23 07:42*	*07/20/23 16:32*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/19/23 07:42*	*07/20/23 16:32*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:42*	*07/20/23 16:32*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*07/19/23 07:42*	*07/20/23 16:32*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/19/23 07:42*	*07/20/23 16:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1
PCB-1268	ND		20	2.6	ug/Kg	☼	07/18/23 16:01	07/19/23 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/18/23 16:01*	*07/19/23 16:28*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/18/23 16:01*	*07/19/23 16:28*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/18/23 16:01*	*07/19/23 16:28*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/18/23 16:01*	*07/19/23 16:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		19	4.6	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Antimony	ND		0.93	0.28	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Arsenic	**6.6**		0.93	0.58	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Barium	**80**		19	3.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Beryllium	**0.57**		0.37	0.10	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Cadmium	**0.72**		0.46	0.068	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Calcium	**920**		460	60	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Chromium	**16**		0.46	0.42	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Cobalt	**9.0**		4.6	0.65	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Copper	**16**		2.3	1.4	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Iron	**23000**		9.3	9.1	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Lead	**10**		0.93	0.81	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Magnesium	**3200**		460	51	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Manganese	**330**		1.4	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Nickel	**22**		3.7	0.47	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S48
Lab Sample ID: 180-159406-18
Date Collected: 07/17/23 15:20
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 84.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**710**		460	79	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Silver	ND		0.46	0.097	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Sodium	ND		460	48	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Thallium	**0.33**	**J**	1.9	0.26	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Vanadium	**20**		4.6	0.74	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1
Zinc	**63**		1.9	1.3	mg/Kg	☼	07/19/23 09:00	07/21/23 17:22	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.039	0.025	mg/Kg	☼	07/19/23 07:55	07/20/23 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.9**		0.1	0.1	%			07/18/23 14:48	1
Percent Solids (SM22 2540G)	**84.1**		0.1	0.1	%			07/18/23 14:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159406-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-440628/7
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/18/23 11:10	1
Benzene	ND		5.0	1.4	ug/Kg			07/18/23 11:10	1
Bromoform	ND		5.0	2.5	ug/Kg			07/18/23 11:10	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/18/23 11:10	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/18/23 11:10	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/18/23 11:10	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/18/23 11:10	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/18/23 11:10	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/18/23 11:10	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/18/23 11:10	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/18/23 11:10	1
Chloroform	ND		5.0	3.4	ug/Kg			07/18/23 11:10	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/18/23 11:10	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/18/23 11:10	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/18/23 11:10	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/18/23 11:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/18/23 11:10	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/18/23 11:10	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/18/23 11:10	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/18/23 11:10	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/18/23 11:10	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/18/23 11:10	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/18/23 11:10	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/18/23 11:10	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/18/23 11:10	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/18/23 11:10	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/18/23 11:10	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/18/23 11:10	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/18/23 11:10	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/18/23 11:10	1
2-Hexanone	ND		25	1.6	ug/Kg			07/18/23 11:10	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/18/23 11:10	1
Methyl acetate	ND		25	7.4	ug/Kg			07/18/23 11:10	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/18/23 11:10	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/18/23 11:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/18/23 11:10	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/18/23 11:10	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/18/23 11:10	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/18/23 11:10	1
Styrene	ND		5.0	1.5	ug/Kg			07/18/23 11:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/18/23 11:10	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/18/23 11:10	1
Toluene	ND		5.0	1.4	ug/Kg			07/18/23 11:10	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/18/23 11:10	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/18/23 11:10	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/18/23 11:10	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/18/23 11:10	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/18/23 11:10	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440628/7
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/18/23 11:10	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/18/23 11:10	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/18/23 11:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/18/23 11:10	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/18/23 11:10	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/18/23 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*		*07/18/23 11:10*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*		*07/18/23 11:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*		*07/18/23 11:10*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*		*07/18/23 11:10*	*1*

Lab Sample ID: LCS 180-440628/3
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	56.8		ug/Kg		142	23 - 170
Benzene	40.0	42.0		ug/Kg		105	77 - 120
Bromoform	40.0	32.3		ug/Kg		81	37 - 147
Bromomethane	40.0	33.7		ug/Kg		84	47 - 149
2-Butanone (MEK)	40.0	38.7		ug/Kg		97	39 - 157
Carbon disulfide	40.0	42.0		ug/Kg		105	40 - 156
Carbon tetrachloride	40.0	37.3		ug/Kg		93	73 - 130
Chlorobenzene	40.0	38.3		ug/Kg		96	79 - 122
Chlorobromomethane	40.0	36.3		ug/Kg		91	64 - 128
Chlorodibromomethane	40.0	34.4		ug/Kg		86	60 - 134
Chloroethane	40.0	26.2		ug/Kg		66	37 - 159
Chloroform	40.0	40.7		ug/Kg		102	73 - 126
Chloromethane	40.0	49.9		ug/Kg		125	46 - 151
cis-1,2-Dichloroethene	40.0	40.4		ug/Kg		101	77 - 118
cis-1,3-Dichloropropene	40.0	37.8		ug/Kg		94	73 - 127
Cyclohexane	40.0	41.2		ug/Kg		103	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	32.1		ug/Kg		80	30 - 163
1,2-Dibromoethane	40.0	37.6		ug/Kg		94	59 - 137
1,2-Dichlorobenzene	40.0	38.2		ug/Kg		95	76 - 120
1,3-Dichlorobenzene	40.0	39.0		ug/Kg		97	77 - 121
1,4-Dichlorobenzene	40.0	38.4		ug/Kg		96	79 - 120
Dichlorobromomethane	40.0	38.8		ug/Kg		97	75 - 123
Dichlorodifluoromethane	40.0	43.8		ug/Kg		109	26 - 149
1,1-Dichloroethane	40.0	41.1		ug/Kg		103	73 - 124
1,2-Dichloroethane	40.0	37.3		ug/Kg		93	64 - 140
1,1-Dichloroethene	40.0	41.6		ug/Kg		104	55 - 136
1,2-Dichloroethene, Total	80.0	81.8		ug/Kg		102	77 - 119
1,2-Dichloropropane	40.0	41.3		ug/Kg		103	77 - 119
1,4-Dioxane	800	945	J	ug/Kg		118	18 - 166
Ethylbenzene	40.0	40.3		ug/Kg		101	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440628/3
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	34.3		ug/Kg		86	42 - 152
Isopropylbenzene	40.0	41.0		ug/Kg		102	70 - 125
Methyl acetate	80.0	86.6		ug/Kg		108	20 - 170
Methylcyclohexane	40.0	40.3		ug/Kg		101	70 - 125
Methylene Chloride	40.0	55.1	*+	ug/Kg		138	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	33.6		ug/Kg		84	51 - 147
Methyl tert-butyl ether	40.0	37.3		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	39.8		ug/Kg		100	77 - 120
o-Xylene	40.0	39.1		ug/Kg		98	78 - 118
Styrene	40.0	39.6		ug/Kg		99	80 - 120
1,1,2,2-Tetrachloroethane	40.0	36.8		ug/Kg		92	36 - 170
Tetrachloroethene	40.0	38.9		ug/Kg		97	71 - 121
Toluene	40.0	40.4		ug/Kg		101	76 - 120
trans-1,2-Dichloroethene	40.0	41.4		ug/Kg		104	75 - 122
trans-1,3-Dichloropropene	40.0	39.0		ug/Kg		98	68 - 133
1,2,3-Trichlorobenzene	40.0	38.0		ug/Kg		95	29 - 166
1,2,4-Trichlorobenzene	40.0	39.6		ug/Kg		99	22 - 170
1,1,1-Trichloroethane	40.0	40.1		ug/Kg		100	72 - 134
1,1,2-Trichloroethane	40.0	38.5		ug/Kg		96	66 - 128
Trichloroethene	40.0	38.7		ug/Kg		97	69 - 118
Trichlorofluoromethane	40.0	44.6		ug/Kg		111	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	37.8		ug/Kg		94	59 - 135
Vinyl chloride	40.0	45.1		ug/Kg		113	64 - 134
Xylenes, Total	80.0	78.9		ug/Kg		99	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*86*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*
Toluene-d8 (Surr)	*82*		*67 - 134*

Lab Sample ID: LCSD 180-440628/4
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	48.3		ug/Kg		121	23 - 170	16	35
Benzene	40.0	40.9		ug/Kg		102	77 - 120	2	20
Bromoform	40.0	31.9		ug/Kg		80	37 - 147	1	23
Bromomethane	40.0	32.7		ug/Kg		82	47 - 149	3	25
2-Butanone (MEK)	40.0	36.3		ug/Kg		91	39 - 157	7	33
Carbon disulfide	40.0	40.8		ug/Kg		102	40 - 156	3	25
Carbon tetrachloride	40.0	36.3		ug/Kg		91	73 - 130	3	21
Chlorobenzene	40.0	37.3		ug/Kg		93	79 - 122	3	20
Chlorobromomethane	40.0	36.9		ug/Kg		92	64 - 128	2	20
Chlorodibromomethane	40.0	34.3		ug/Kg		86	60 - 134	0	40
Chloroethane	40.0	24.7		ug/Kg		62	37 - 159	6	25
Chloroform	40.0	40.2		ug/Kg		101	73 - 126	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440628/4
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	49.7		ug/Kg		124	46 - 151	0	33
cis-1,2-Dichloroethene			40.0	39.5		ug/Kg		99	77 - 118	2	20
cis-1,3-Dichloropropene			40.0	37.4		ug/Kg		94	73 - 127	1	20
Cyclohexane			40.0	39.7		ug/Kg		99	63 - 143	4	25
1,2-Dibromo-3-Chloropropane			40.0	33.5		ug/Kg		84	30 - 163	4	34
1,2-Dibromoethane			40.0	38.2		ug/Kg		95	59 - 137	1	20
1,2-Dichlorobenzene			40.0	37.1		ug/Kg		93	76 - 120	3	20
1,3-Dichlorobenzene			40.0	37.9		ug/Kg		95	77 - 121	3	20
1,4-Dichlorobenzene			40.0	37.4		ug/Kg		94	79 - 120	2	20
Dichlorobromomethane			40.0	38.4		ug/Kg		96	75 - 123	1	20
Dichlorodifluoromethane			40.0	41.9		ug/Kg		105	26 - 149	5	24
1,1-Dichloroethane			40.0	40.2		ug/Kg		100	73 - 124	2	20
1,2-Dichloroethane			40.0	37.3		ug/Kg		93	64 - 140	0	20
1,1-Dichloroethene			40.0	40.7		ug/Kg		102	55 - 136	2	21
1,2-Dichloroethene, Total			80.0	79.9		ug/Kg		100	77 - 119	2	20
1,2-Dichloropropane			40.0	41.1		ug/Kg		103	77 - 119	1	20
1,4-Dioxane			800	956	J	ug/Kg		120	18 - 166	1	40
Ethylbenzene			40.0	37.9		ug/Kg		95	79 - 119	6	20
2-Hexanone			40.0	35.6		ug/Kg		89	42 - 152	4	30
Isopropylbenzene			40.0	39.1		ug/Kg		98	70 - 125	5	21
Methyl acetate			80.0	96.2		ug/Kg		120	20 - 170	11	33
Methylcyclohexane			40.0	38.8		ug/Kg		97	70 - 125	4	22
Methylene Chloride			40.0	44.2		ug/Kg		110	67 - 131	22	32
4-Methyl-2-pentanone (MIBK)			40.0	36.0		ug/Kg		90	51 - 147	7	27
Methyl tert-butyl ether			40.0	38.4		ug/Kg		96	58 - 132	3	24
m-Xylene & p-Xylene			40.0	38.0		ug/Kg		95	77 - 120	5	20
o-Xylene			40.0	37.7		ug/Kg		94	78 - 118	4	20
Styrene			40.0	38.7		ug/Kg		97	80 - 120	2	20
1,1,2,2-Tetrachloroethane			40.0	37.1		ug/Kg		93	36 - 170	1	23
Tetrachloroethene			40.0	36.9		ug/Kg		92	71 - 121	5	21
Toluene			40.0	38.8		ug/Kg		97	76 - 120	4	20
trans-1,2-Dichloroethene			40.0	40.5		ug/Kg		101	75 - 122	2	20
trans-1,3-Dichloropropene			40.0	38.5		ug/Kg		96	68 - 133	1	20
1,2,3-Trichlorobenzene			40.0	37.6		ug/Kg		94	29 - 166	1	40
1,2,4-Trichlorobenzene			40.0	38.5		ug/Kg		96	22 - 170	3	29
1,1,1-Trichloroethane			40.0	38.3		ug/Kg		96	72 - 134	5	20
1,1,2-Trichloroethane			40.0	38.1		ug/Kg		95	66 - 128	1	21
Trichloroethene			40.0	37.6		ug/Kg		94	69 - 118	3	20
Trichlorofluoromethane			40.0	44.3		ug/Kg		111	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	35.2		ug/Kg		88	59 - 135	7	28
Vinyl chloride			40.0	45.3		ug/Kg		113	64 - 134	0	23
Xylenes, Total			80.0	75.7		ug/Kg		95	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*89*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440628/4
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*84*		*67 - 134*

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		45.7	48.9		ug/Kg	☼	107	23 - 170
Benzene	ND		45.7	49.1		ug/Kg	☼	107	77 - 120
Bromoform	ND		45.7	35.2		ug/Kg	☼	77	37 - 147
Bromomethane	ND		45.7	42.2		ug/Kg	☼	92	47 - 149
2-Butanone (MEK)	ND		45.7	40.5		ug/Kg	☼	89	39 - 157
Carbon disulfide	ND		45.7	48.8		ug/Kg	☼	107	40 - 156
Carbon tetrachloride	ND		45.7	44.5		ug/Kg	☼	98	73 - 130
Chlorobenzene	ND		45.7	45.7		ug/Kg	☼	100	79 - 122
Chlorobromomethane	ND		45.7	43.4		ug/Kg	☼	95	64 - 128
Chlorodibromomethane	ND		45.7	39.9		ug/Kg	☼	87	60 - 134
Chloroethane	ND		45.7	35.0		ug/Kg	☼	77	37 - 159
Chloroform	ND		45.7	47.8		ug/Kg	☼	105	73 - 126
Chloromethane	ND		45.7	58.7		ug/Kg	☼	128	46 - 151
cis-1,2-Dichloroethene	ND		45.7	47.4		ug/Kg	☼	104	77 - 118
cis-1,3-Dichloropropene	ND		45.7	42.6		ug/Kg	☼	93	73 - 127
Cyclohexane	ND		45.7	47.3		ug/Kg	☼	104	63 - 143
1,2-Dibromo-3-Chloropropane	ND		45.7	34.6		ug/Kg	☼	76	30 - 163
1,2-Dibromoethane	ND		45.7	42.2		ug/Kg	☼	92	59 - 137
1,2-Dichlorobenzene	ND		45.7	45.0		ug/Kg	☼	98	76 - 120
1,3-Dichlorobenzene	ND		45.7	46.0		ug/Kg	☼	101	77 - 121
1,4-Dichlorobenzene	ND		45.7	45.3		ug/Kg	☼	99	79 - 120
Dichlorobromomethane	ND		45.7	45.1		ug/Kg	☼	99	75 - 123
Dichlorodifluoromethane	ND		45.7	53.4		ug/Kg	☼	117	26 - 149
1,1-Dichloroethane	ND		45.7	48.0		ug/Kg	☼	105	73 - 124
1,2-Dichloroethane	ND		45.7	42.5		ug/Kg	☼	93	64 - 140
1,1-Dichloroethene	ND		45.7	50.2		ug/Kg	☼	110	55 - 136
1,2-Dichloroethene, Total	ND		91.4	96.0		ug/Kg	☼	105	77 - 119
1,2-Dichloropropane	ND		45.7	47.4		ug/Kg	☼	104	77 - 119
1,4-Dioxane	ND		914	963	J	ug/Kg	☼	105	18 - 166
Ethylbenzene	ND		45.7	47.3		ug/Kg	☼	103	79 - 119
2-Hexanone	ND		45.7	37.0		ug/Kg	☼	81	42 - 152
Isopropylbenzene	ND		45.7	49.0		ug/Kg	☼	107	70 - 125
Methyl acetate	ND		91.4	97.6		ug/Kg	☼	107	20 - 170
Methylcyclohexane	ND		45.7	46.9		ug/Kg	☼	103	70 - 125
Methylene Chloride	ND	*+	45.7	49.6		ug/Kg	☼	109	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		45.7	37.1		ug/Kg	☼	81	51 - 147
Methyl tert-butyl ether	ND		45.7	41.0		ug/Kg	☼	90	58 - 132
m-Xylene & p-Xylene	ND		45.7	46.9		ug/Kg	☼	103	77 - 120
o-Xylene	ND		45.7	46.2		ug/Kg	☼	101	78 - 118
Styrene	ND		45.7	46.9		ug/Kg	☼	103	80 - 120
1,1,2,2-Tetrachloroethane	ND		45.7	41.1		ug/Kg	☼	90	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		45.7	46.4		ug/Kg	☼	102	71 - 121
Toluene	ND		45.7	47.8		ug/Kg	☼	105	76 - 120
trans-1,2-Dichloroethene	ND		45.7	48.6		ug/Kg	☼	106	75 - 122
trans-1,3-Dichloropropene	ND		45.7	43.7		ug/Kg	☼	96	68 - 133
1,2,3-Trichlorobenzene	ND		45.7	43.8		ug/Kg	☼	96	29 - 166
1,2,4-Trichlorobenzene	ND		45.7	44.6		ug/Kg	☼	98	22 - 170
1,1,1-Trichloroethane	ND		45.7	46.5		ug/Kg	☼	102	72 - 134
1,1,2-Trichloroethane	ND		45.7	44.2		ug/Kg	☼	97	66 - 128
Trichloroethene	ND		45.7	44.8		ug/Kg	☼	98	69 - 118
Trichlorofluoromethane	ND		45.7	55.8		ug/Kg	☼	122	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45.7	46.3		ug/Kg	☼	101	59 - 135
Vinyl chloride	ND		45.7	53.7		ug/Kg	☼	118	64 - 134
Xylenes, Total	ND		91.4	93.1		ug/Kg	☼	102	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*85*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*75*		*73 - 135*
Toluene-d8 (Surr)	*82*		*67 - 134*

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		45.5	50.8		ug/Kg	☼	112	23 - 170	4	35
Benzene	ND		45.5	47.3		ug/Kg	☼	104	77 - 120	4	20
Bromoform	ND		45.5	35.5		ug/Kg	☼	78	37 - 147	1	23
Bromomethane	ND		45.5	40.5		ug/Kg	☼	89	47 - 149	4	25
2-Butanone (MEK)	ND		45.5	36.8		ug/Kg	☼	81	39 - 157	9	33
Carbon disulfide	ND		45.5	46.6		ug/Kg	☼	102	40 - 156	5	25
Carbon tetrachloride	ND		45.5	41.9		ug/Kg	☼	92	73 - 130	6	21
Chlorobenzene	ND		45.5	42.8		ug/Kg	☼	94	79 - 122	7	20
Chlorobromomethane	ND		45.5	41.2		ug/Kg	☼	91	64 - 128	5	20
Chlorodibromomethane	ND		45.5	39.1		ug/Kg	☼	86	60 - 134	2	40
Chloroethane	ND		45.5	32.7		ug/Kg	☼	72	37 - 159	7	25
Chloroform	ND		45.5	45.8		ug/Kg	☼	101	73 - 126	4	20
Chloromethane	ND		45.5	59.9		ug/Kg	☼	132	46 - 151	2	33
cis-1,2-Dichloroethene	ND		45.5	45.7		ug/Kg	☼	100	77 - 118	4	20
cis-1,3-Dichloropropene	ND		45.5	42.2		ug/Kg	☼	93	73 - 127	1	20
Cyclohexane	ND		45.5	45.9		ug/Kg	☼	101	63 - 143	3	25
1,2-Dibromo-3-Chloropropane	ND		45.5	34.2		ug/Kg	☼	75	30 - 163	1	34
1,2-Dibromoethane	ND		45.5	41.5		ug/Kg	☼	91	59 - 137	2	20
1,2-Dichlorobenzene	ND		45.5	42.2		ug/Kg	☼	93	76 - 120	6	20
1,3-Dichlorobenzene	ND		45.5	43.3		ug/Kg	☼	95	77 - 121	6	20
1,4-Dichlorobenzene	ND		45.5	42.6		ug/Kg	☼	94	79 - 120	6	20
Dichlorobromomethane	ND		45.5	44.0		ug/Kg	☼	97	75 - 123	2	20
Dichlorodifluoromethane	ND		45.5	48.3		ug/Kg	☼	106	26 - 149	10	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 440628

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		45.5	45.8		ug/Kg	☼	101	73 - 124	5	20
1,2-Dichloroethane	ND		45.5	42.5		ug/Kg	☼	93	64 - 140	0	20
1,1-Dichloroethene	ND		45.5	47.3		ug/Kg	☼	104	55 - 136	6	21
1,2-Dichloroethene, Total	ND		91.0	91.6		ug/Kg	☼	101	77 - 119	5	20
1,2-Dichloropropane	ND		45.5	46.7		ug/Kg	☼	103	77 - 119	1	20
1,4-Dioxane	ND		910	973	J	ug/Kg	☼	107	18 - 166	1	40
Ethylbenzene	ND		45.5	44.3		ug/Kg	☼	97	79 - 119	6	20
2-Hexanone	ND		45.5	37.8		ug/Kg	☼	83	42 - 152	2	30
Isopropylbenzene	ND		45.5	45.1		ug/Kg	☼	99	70 - 125	8	21
Methyl acetate	ND		91.0	98.9		ug/Kg	☼	109	20 - 170	1	33
Methylcyclohexane	ND		45.5	44.5		ug/Kg	☼	98	70 - 125	5	22
Methylene Chloride	ND	*+	45.5	49.0		ug/Kg	☼	108	67 - 131	1	32
4-Methyl-2-pentanone (MIBK)	ND		45.5	37.6		ug/Kg	☼	83	51 - 147	1	27
Methyl tert-butyl ether	ND		45.5	41.9		ug/Kg	☼	92	58 - 132	2	24
m-Xylene & p-Xylene	ND		45.5	43.4		ug/Kg	☼	95	77 - 120	8	20
o-Xylene	ND		45.5	43.0		ug/Kg	☼	95	78 - 118	7	20
Styrene	ND		45.5	44.3		ug/Kg	☼	97	80 - 120	6	20
1,1,2,2-Tetrachloroethane	ND		45.5	40.4		ug/Kg	☼	89	36 - 170	2	23
Tetrachloroethene	ND		45.5	43.3		ug/Kg	☼	95	71 - 121	7	21
Toluene	ND		45.5	45.6		ug/Kg	☼	100	76 - 120	5	20
trans-1,2-Dichloroethene	ND		45.5	45.9		ug/Kg	☼	101	75 - 122	6	20
trans-1,3-Dichloropropene	ND		45.5	42.8		ug/Kg	☼	94	68 - 133	2	20
1,2,3-Trichlorobenzene	ND		45.5	42.8		ug/Kg	☼	94	29 - 166	2	40
1,2,4-Trichlorobenzene	ND		45.5	42.5		ug/Kg	☼	93	22 - 170	5	29
1,1,1-Trichloroethane	ND		45.5	44.6		ug/Kg	☼	98	72 - 134	4	20
1,1,2-Trichloroethane	ND		45.5	42.3		ug/Kg	☼	93	66 - 128	4	21
Trichloroethene	ND		45.5	43.8		ug/Kg	☼	96	69 - 118	2	20
Trichlorofluoromethane	ND		45.5	54.7		ug/Kg	☼	120	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45.5	44.7		ug/Kg	☼	98	59 - 135	3	28
Vinyl chloride	ND		45.5	52.7		ug/Kg	☼	116	64 - 134	2	23
Xylenes, Total	ND		91.0	86.4		ug/Kg	☼	95	78 - 118	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*4*	*S1-*	*60 - 124*
Dibromofluoromethane (Surr)	*3*	*S1-*	*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*3*	*S1-*	*73 - 135*
Toluene-d8 (Surr)	*3*	*S1-*	*67 - 134*

Lab Sample ID: MB 180-440759/7
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/19/23 10:55	1
Benzene	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
Bromoform	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/19/23 10:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440759/7
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/19/23 10:55	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/19/23 10:55	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/19/23 10:55	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/19/23 10:55	1
Chloroform	ND		5.0	3.4	ug/Kg			07/19/23 10:55	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/19/23 10:55	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 10:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/19/23 10:55	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/19/23 10:55	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/19/23 10:55	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/19/23 10:55	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/19/23 10:55	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/19/23 10:55	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/19/23 10:55	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/19/23 10:55	1
2-Hexanone	ND		25	1.6	ug/Kg			07/19/23 10:55	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/19/23 10:55	1
Methyl acetate	ND		25	7.4	ug/Kg			07/19/23 10:55	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 10:55	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/19/23 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/19/23 10:55	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/19/23 10:55	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Styrene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Toluene	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/19/23 10:55	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/19/23 10:55	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/19/23 10:55	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/19/23 10:55	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/19/23 10:55	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/19/23 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/19/23 10:55	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/19/23 10:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		60 - 124		07/19/23 10:55	1
Dibromofluoromethane (Surr)	94		69 - 126		07/19/23 10:55	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 135		07/19/23 10:55	1
Toluene-d8 (Surr)	86		67 - 134		07/19/23 10:55	1

Lab Sample ID: LCS 180-440759/3
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	25.5		ug/Kg		64	23 - 170
Benzene	40.0	37.9		ug/Kg		95	77 - 120
Bromoform	40.0	26.8		ug/Kg		67	37 - 147
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149
2-Butanone (MEK)	40.0	24.9	J	ug/Kg		62	39 - 157
Carbon disulfide	40.0	38.4		ug/Kg		96	40 - 156
Carbon tetrachloride	40.0	34.6		ug/Kg		86	73 - 130
Chlorobenzene	40.0	34.4		ug/Kg		86	79 - 122
Chlorobromomethane	40.0	31.6		ug/Kg		79	64 - 128
Chlorodibromomethane	40.0	29.5		ug/Kg		74	60 - 134
Chloroethane	40.0	28.1		ug/Kg		70	37 - 159
Chloroform	40.0	37.0		ug/Kg		92	73 - 126
Chloromethane	40.0	47.8		ug/Kg		119	46 - 151
cis-1,2-Dichloroethene	40.0	35.8		ug/Kg		90	77 - 118
cis-1,3-Dichloropropene	40.0	31.7		ug/Kg		79	73 - 127
Cyclohexane	40.0	37.6		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.4		ug/Kg		64	30 - 163
1,2-Dibromoethane	40.0	32.3		ug/Kg		81	59 - 137
1,2-Dichlorobenzene	40.0	34.8		ug/Kg		87	76 - 120
1,3-Dichlorobenzene	40.0	36.2		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120
Dichlorobromomethane	40.0	33.8		ug/Kg		84	75 - 123
Dichlorodifluoromethane	40.0	41.5		ug/Kg		104	26 - 149
1,1-Dichloroethane	40.0	37.0		ug/Kg		93	73 - 124
1,2-Dichloroethane	40.0	31.8		ug/Kg		79	64 - 140
1,1-Dichloroethene	40.0	38.4		ug/Kg		96	55 - 136
1,2-Dichloroethene, Total	80.0	73.9		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	35.9		ug/Kg		90	77 - 119
1,4-Dioxane	800	633	J	ug/Kg		79	18 - 166
Ethylbenzene	40.0	36.4		ug/Kg		91	79 - 119
2-Hexanone	40.0	22.8	J	ug/Kg		57	42 - 152
Isopropylbenzene	40.0	37.4		ug/Kg		93	70 - 125
Methyl acetate	80.0	72.9		ug/Kg		91	20 - 170
Methylcyclohexane	40.0	36.4		ug/Kg		91	70 - 125
Methylene Chloride	40.0	41.1		ug/Kg		103	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	27.1		ug/Kg		68	51 - 147
Methyl tert-butyl ether	40.0	30.9		ug/Kg		77	58 - 132
m-Xylene & p-Xylene	40.0	35.5		ug/Kg		89	77 - 120
o-Xylene	40.0	34.8		ug/Kg		87	78 - 118
Styrene	40.0	35.2		ug/Kg		88	80 - 120
1,1,2,2-Tetrachloroethane	40.0	30.9		ug/Kg		77	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440759/3
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	35.7		ug/Kg		89	71 - 121
Toluene	40.0	36.7		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	75 - 122
trans-1,3-Dichloropropene	40.0	32.0		ug/Kg		80	68 - 133
1,2,3-Trichlorobenzene	40.0	33.6		ug/Kg		84	29 - 166
1,2,4-Trichlorobenzene	40.0	34.7		ug/Kg		87	22 - 170
1,1,1-Trichloroethane	40.0	36.9		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	31.9		ug/Kg		80	66 - 128
Trichloroethene	40.0	34.5		ug/Kg		86	69 - 118
Trichlorofluoromethane	40.0	27.5		ug/Kg		69	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.0		ug/Kg		90	59 - 135
Vinyl chloride	40.0	43.1		ug/Kg		108	64 - 134
Xylenes, Total	80.0	70.3		ug/Kg		88	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*117*		*67 - 134*

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	43.4	*1	ug/Kg		108	23 - 170	52	35
Benzene	40.0	41.4		ug/Kg		103	77 - 120	9	20
Bromoform	40.0	29.5		ug/Kg		74	37 - 147	10	23
Bromomethane	40.0	35.9		ug/Kg		90	47 - 149	2	25
2-Butanone (MEK)	40.0	30.4		ug/Kg		76	39 - 157	20	33
Carbon disulfide	40.0	42.4		ug/Kg		106	40 - 156	10	25
Carbon tetrachloride	40.0	37.1		ug/Kg		93	73 - 130	7	21
Chlorobenzene	40.0	36.7		ug/Kg		92	79 - 122	7	20
Chlorobromomethane	40.0	36.5		ug/Kg		91	64 - 128	14	20
Chlorodibromomethane	40.0	32.9		ug/Kg		82	60 - 134	11	40
Chloroethane	40.0	28.8		ug/Kg		72	37 - 159	3	25
Chloroform	40.0	40.2		ug/Kg		101	73 - 126	8	20
Chloromethane	40.0	50.7		ug/Kg		127	46 - 151	6	33
cis-1,2-Dichloroethene	40.0	40.1		ug/Kg		100	77 - 118	11	20
cis-1,3-Dichloropropene	40.0	36.4		ug/Kg		91	73 - 127	14	20
Cyclohexane	40.0	40.3		ug/Kg		101	63 - 143	7	25
1,2-Dibromo-3-Chloropropane	40.0	31.0		ug/Kg		77	30 - 163	20	34
1,2-Dibromoethane	40.0	35.2		ug/Kg		88	59 - 137	8	20
1,2-Dichlorobenzene	40.0	37.3		ug/Kg		93	76 - 120	7	20
1,3-Dichlorobenzene	40.0	38.4		ug/Kg		96	77 - 121	6	20
1,4-Dichlorobenzene	40.0	38.4		ug/Kg		96	79 - 120	8	20
Dichlorobromomethane	40.0	38.3		ug/Kg		96	75 - 123	13	20
Dichlorodifluoromethane	40.0	43.6		ug/Kg		109	26 - 149	5	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane			40.0	40.9		ug/Kg		102	73 - 124	10	20
1,2-Dichloroethane			40.0	36.4		ug/Kg		91	64 - 140	14	20
1,1-Dichloroethene			40.0	41.8		ug/Kg		105	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	81.0		ug/Kg		101	77 - 119	9	20
1,2-Dichloropropane			40.0	39.9		ug/Kg		100	77 - 119	11	20
1,4-Dioxane			800	846	J	ug/Kg		106	18 - 166	29	40
Ethylbenzene			40.0	38.0		ug/Kg		95	79 - 119	4	20
2-Hexanone			40.0	30.0		ug/Kg		75	42 - 152	27	30
Isopropylbenzene			40.0	39.3		ug/Kg		98	70 - 125	5	21
Methyl acetate			80.0	85.8		ug/Kg		107	20 - 170	16	33
Methylcyclohexane			40.0	39.3		ug/Kg		98	70 - 125	8	22
Methylene Chloride			40.0	45.6		ug/Kg		114	67 - 131	10	32
4-Methyl-2-pentanone (MIBK)			40.0	31.2		ug/Kg		78	51 - 147	14	27
Methyl tert-butyl ether			40.0	36.7		ug/Kg		92	58 - 132	17	24
m-Xylene & p-Xylene			40.0	37.6		ug/Kg		94	77 - 120	6	20
o-Xylene			40.0	37.0		ug/Kg		92	78 - 118	6	20
Styrene			40.0	37.7		ug/Kg		94	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	34.3		ug/Kg		86	36 - 170	10	23
Tetrachloroethene			40.0	37.4		ug/Kg		93	71 - 121	5	21
Toluene			40.0	38.2		ug/Kg		95	76 - 120	4	20
trans-1,2-Dichloroethene			40.0	41.0		ug/Kg		102	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	35.8		ug/Kg		89	68 - 133	11	20
1,2,3-Trichlorobenzene			40.0	37.5		ug/Kg		94	29 - 166	11	40
1,2,4-Trichlorobenzene			40.0	36.9		ug/Kg		92	22 - 170	6	29
1,1,1-Trichloroethane			40.0	39.4		ug/Kg		99	72 - 134	7	20
1,1,2-Trichloroethane			40.0	36.2		ug/Kg		91	66 - 128	13	21
Trichloroethene			40.0	38.5		ug/Kg		96	69 - 118	11	20
Trichlorofluoromethane			40.0	47.6		ug/Kg		119	32 - 149	54	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	38.4		ug/Kg		96	59 - 135	6	28
Vinyl chloride			40.0	46.5		ug/Kg		116	64 - 134	8	23
Xylenes, Total			80.0	74.6		ug/Kg		93	78 - 118	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*
Toluene-d8 (Surr)	*115*		*67 - 134*

Lab Sample ID: MB 180-440981/7
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/20/23 20:31	1
Benzene	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
Bromoform	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/20/23 20:31	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440981/7
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/20/23 20:31	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/20/23 20:31	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/20/23 20:31	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/20/23 20:31	1
Chloroform	ND		5.0	3.4	ug/Kg			07/20/23 20:31	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/20/23 20:31	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/20/23 20:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/20/23 20:31	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/20/23 20:31	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/20/23 20:31	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/20/23 20:31	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/20/23 20:31	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/20/23 20:31	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/20/23 20:31	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/20/23 20:31	1
2-Hexanone	ND		25	1.6	ug/Kg			07/20/23 20:31	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/20/23 20:31	1
Methyl acetate	ND		25	7.4	ug/Kg			07/20/23 20:31	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/20/23 20:31	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/20/23 20:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/20/23 20:31	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/20/23 20:31	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Styrene	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Toluene	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/20/23 20:31	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/20/23 20:31	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/20/23 20:31	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/20/23 20:31	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/20/23 20:31	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/20/23 20:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/20/23 20:31	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/20/23 20:31	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		60 - 124		07/20/23 20:31	1
Dibromofluoromethane (Surr)	117		69 - 126		07/20/23 20:31	1
1,2-Dichloroethane-d4 (Surr)	129		73 - 135		07/20/23 20:31	1
Toluene-d8 (Surr)	112		67 - 134		07/20/23 20:31	1

Lab Sample ID: LCS 180-440981/3
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	29.4		ug/Kg		73	23 - 170
Benzene	40.0	39.9		ug/Kg		100	77 - 120
Bromoform	40.0	33.2		ug/Kg		83	37 - 147
Bromomethane	40.0	34.9		ug/Kg		87	47 - 149
2-Butanone (MEK)	40.0	27.5		ug/Kg		69	39 - 157
Carbon disulfide	40.0	38.8		ug/Kg		97	40 - 156
Carbon tetrachloride	40.0	37.3		ug/Kg		93	73 - 130
Chlorobenzene	40.0	36.3		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	36.1		ug/Kg		90	64 - 128
Chlorodibromomethane	40.0	35.7		ug/Kg		89	60 - 134
Chloroethane	40.0	38.4		ug/Kg		96	37 - 159
Chloroform	40.0	39.8		ug/Kg		99	73 - 126
Chloromethane	40.0	46.9		ug/Kg		117	46 - 151
cis-1,2-Dichloroethene	40.0	37.7		ug/Kg		94	77 - 118
cis-1,3-Dichloropropene	40.0	36.2		ug/Kg		91	73 - 127
Cyclohexane	40.0	37.3		ug/Kg		93	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	36.1		ug/Kg		90	30 - 163
1,2-Dibromoethane	40.0	37.5		ug/Kg		94	59 - 137
1,2-Dichlorobenzene	40.0	38.0		ug/Kg		95	76 - 120
1,3-Dichlorobenzene	40.0	36.7		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	36.8		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	38.4		ug/Kg		96	75 - 123
Dichlorodifluoromethane	40.0	38.9		ug/Kg		97	26 - 149
1,1-Dichloroethane	40.0	39.5		ug/Kg		99	73 - 124
1,2-Dichloroethane	40.0	39.1		ug/Kg		98	64 - 140
1,1-Dichloroethene	40.0	39.6		ug/Kg		99	55 - 136
1,2-Dichloroethene, Total	80.0	75.8		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	39.1		ug/Kg		98	77 - 119
1,4-Dioxane	800	806	J	ug/Kg		101	18 - 166
Ethylbenzene	40.0	37.2		ug/Kg		93	79 - 119
2-Hexanone	40.0	28.6		ug/Kg		72	42 - 152
Isopropylbenzene	40.0	38.3		ug/Kg		96	70 - 125
Methyl acetate	80.0	106		ug/Kg		132	20 - 170
Methylcyclohexane	40.0	36.2		ug/Kg		90	70 - 125
Methylene Chloride	40.0	43.1		ug/Kg		108	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.1		ug/Kg		85	51 - 147
Methyl tert-butyl ether	40.0	37.5		ug/Kg		94	58 - 132
m-Xylene & p-Xylene	40.0	37.0		ug/Kg		93	77 - 120
o-Xylene	40.0	36.8		ug/Kg		92	78 - 118
Styrene	40.0	38.2		ug/Kg		95	80 - 120
1,1,2,2-Tetrachloroethane	40.0	39.8		ug/Kg		99	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440981/3
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	36.8		ug/Kg		92	71 - 121
Toluene	40.0	38.1		ug/Kg		95	76 - 120
trans-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	75 - 122
trans-1,3-Dichloropropene	40.0	38.0		ug/Kg		95	68 - 133
1,2,3-Trichlorobenzene	40.0	37.8		ug/Kg		94	29 - 166
1,2,4-Trichlorobenzene	40.0	37.1		ug/Kg		93	22 - 170
1,1,1-Trichloroethane	40.0	38.7		ug/Kg		97	72 - 134
1,1,2-Trichloroethane	40.0	38.6		ug/Kg		96	66 - 128
Trichloroethene	40.0	36.1		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	46.8		ug/Kg		117	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.8		ug/Kg		97	59 - 135
Vinyl chloride	40.0	42.1		ug/Kg		105	64 - 134
Xylenes, Total	80.0	73.8		ug/Kg		92	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*
Toluene-d8 (Surr)	*114*		*67 - 134*

Lab Sample ID: LCSD 180-440981/4
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	35.1		ug/Kg		88	23 - 170	18	35
Benzene	40.0	40.5		ug/Kg		101	77 - 120	2	20
Bromoform	40.0	30.3		ug/Kg		76	37 - 147	9	23
Bromomethane	40.0	35.0		ug/Kg		88	47 - 149	0	25
2-Butanone (MEK)	40.0	31.5		ug/Kg		79	39 - 157	13	33
Carbon disulfide	40.0	39.2		ug/Kg		98	40 - 156	1	25
Carbon tetrachloride	40.0	37.5		ug/Kg		94	73 - 130	1	21
Chlorobenzene	40.0	37.0		ug/Kg		93	79 - 122	2	20
Chlorobromomethane	40.0	35.2		ug/Kg		88	64 - 128	3	20
Chlorodibromomethane	40.0	33.6		ug/Kg		84	60 - 134	6	40
Chloroethane	40.0	30.7		ug/Kg		77	37 - 159	22	25
Chloroform	40.0	40.0		ug/Kg		100	73 - 126	0	20
Chloromethane	40.0	45.8		ug/Kg		115	46 - 151	2	33
cis-1,2-Dichloroethene	40.0	38.7		ug/Kg		97	77 - 118	3	20
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127	2	20
Cyclohexane	40.0	38.1		ug/Kg		95	63 - 143	2	25
1,2-Dibromo-3-Chloropropane	40.0	32.4		ug/Kg		81	30 - 163	11	34
1,2-Dibromoethane	40.0	34.9		ug/Kg		87	59 - 137	7	20
1,2-Dichlorobenzene	40.0	37.5		ug/Kg		94	76 - 120	1	20
1,3-Dichlorobenzene	40.0	37.7		ug/Kg		94	77 - 121	3	20
1,4-Dichlorobenzene	40.0	37.2		ug/Kg		93	79 - 120	1	20
Dichlorobromomethane	40.0	38.5		ug/Kg		96	75 - 123	0	20
Dichlorodifluoromethane	40.0	37.4		ug/Kg		93	26 - 149	4	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440981/4
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane			40.0	39.8		ug/Kg		100	73 - 124	1	20
1,2-Dichloroethane			40.0	37.6		ug/Kg		94	64 - 140	4	20
1,1-Dichloroethene			40.0	39.7		ug/Kg		99	55 - 136	0	21
1,2-Dichloroethene, Total			80.0	78.0		ug/Kg		98	77 - 119	3	20
1,2-Dichloropropane			40.0	39.0		ug/Kg		97	77 - 119	0	20
1,4-Dioxane			800	805	J	ug/Kg		101	18 - 166	0	40
Ethylbenzene			40.0	38.0		ug/Kg		95	79 - 119	2	20
2-Hexanone			40.0	28.5		ug/Kg		71	42 - 152	1	30
Isopropylbenzene			40.0	39.4		ug/Kg		99	70 - 125	3	21
Methyl acetate			80.0	78.7		ug/Kg		98	20 - 170	29	33
Methylcyclohexane			40.0	36.6		ug/Kg		92	70 - 125	1	22
Methylene Chloride			40.0	42.2		ug/Kg		106	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)			40.0	31.3		ug/Kg		78	51 - 147	9	27
Methyl tert-butyl ether			40.0	35.2		ug/Kg		88	58 - 132	6	24
m-Xylene & p-Xylene			40.0	37.7		ug/Kg		94	77 - 120	2	20
o-Xylene			40.0	37.0		ug/Kg		93	78 - 118	1	20
Styrene			40.0	38.3		ug/Kg		96	80 - 120	0	20
1,1,2,2-Tetrachloroethane			40.0	35.9		ug/Kg		90	36 - 170	10	23
Tetrachloroethene			40.0	37.5		ug/Kg		94	71 - 121	2	21
Toluene			40.0	38.9		ug/Kg		97	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	39.3		ug/Kg		98	75 - 122	3	20
trans-1,3-Dichloropropene			40.0	36.5		ug/Kg		91	68 - 133	4	20
1,2,3-Trichlorobenzene			40.0	36.8		ug/Kg		92	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	36.4		ug/Kg		91	22 - 170	2	29
1,1,1-Trichloroethane			40.0	39.3		ug/Kg		98	72 - 134	2	20
1,1,2-Trichloroethane			40.0	36.4		ug/Kg		91	66 - 128	6	21
Trichloroethene			40.0	36.4		ug/Kg		91	69 - 118	1	20
Trichlorofluoromethane			40.0	46.7		ug/Kg		117	32 - 149	0	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.4		ug/Kg		91	59 - 135	6	28
Vinyl chloride			40.0	42.0		ug/Kg		105	64 - 134	0	23
Xylenes, Total			80.0	74.7		ug/Kg		93	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*111*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone - RA	ND		43.7	30.3	F2	ug/Kg	☼	69	23 - 170	47	35
Benzene - RA	ND		43.7	45.3		ug/Kg	☼	104	77 - 120	8	20
Bromoform - RA	ND		43.7	38.6		ug/Kg	☼	88	37 - 147	9	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Lab Sample ID: 180-159406-11 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S44
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440981
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane - RA	ND		43.7	33.8		ug/Kg	☼	77	47 - 149	22	25
2-Butanone (MEK) - RA	ND		43.7	29.2		ug/Kg	☼	67	39 - 157	32	33
Carbon disulfide - RA	ND		43.7	39.2		ug/Kg	☼	90	40 - 156	22	25
Carbon tetrachloride - RA	ND		43.7	39.3		ug/Kg	☼	90	73 - 130	12	21
Chlorobenzene - RA	ND		43.7	41.4		ug/Kg	☼	95	79 - 122	10	20
Chlorobromomethane - RA	ND		43.7	42.4		ug/Kg	☼	97	64 - 128	2	20
Chlorodibromomethane - RA	ND		43.7	41.5		ug/Kg	☼	95	60 - 134	4	40
Chloroethane - RA	ND		43.7	32.2		ug/Kg	☼	74	37 - 159	8	25
Chloroform - RA	ND		43.7	46.3		ug/Kg	☼	106	73 - 126	3	20
Chloromethane - RA	ND		43.7	47.7		ug/Kg	☼	109	46 - 151	21	33
cis-1,2-Dichloroethene - RA	ND		43.7	44.1		ug/Kg	☼	101	77 - 118	7	20
cis-1,3-Dichloropropene - RA	ND		43.7	41.0		ug/Kg	☼	94	73 - 127	4	20
Cyclohexane - RA	ND		43.7	38.9		ug/Kg	☼	89	63 - 143	19	25
1,2-Dibromo-3-Chloropropane - RA	ND		43.7	40.9		ug/Kg	☼	94	30 - 163	17	34
1,2-Dibromoethane - RA	ND		43.7	44.4		ug/Kg	☼	102	59 - 137	5	20
1,2-Dichlorobenzene - RA	ND		43.7	42.5		ug/Kg	☼	97	76 - 120	6	20
1,3-Dichlorobenzene - RA	ND		43.7	40.3		ug/Kg	☼	92	77 - 121	13	20
1,4-Dichlorobenzene - RA	ND		43.7	41.2		ug/Kg	☼	94	79 - 120	10	20
Dichlorobromomethane - RA	ND		43.7	46.3		ug/Kg	☼	106	75 - 123	3	20
Dichlorodifluoromethane - RA	ND		43.7	40.3	F2	ug/Kg	☼	92	26 - 149	28	24
1,1-Dichloroethane - RA	ND		43.7	44.0		ug/Kg	☼	101	73 - 124	9	20
1,2-Dichloroethane - RA	ND		43.7	47.0		ug/Kg	☼	107	64 - 140	10	20
1,1-Dichloroethene - RA	ND		43.7	41.1		ug/Kg	☼	94	55 - 136	20	21
1,2-Dichloroethene, Total - RA	ND		87.5	86.2		ug/Kg	☼	99	77 - 119	11	20
1,2-Dichloropropane - RA	ND		43.7	46.1		ug/Kg	☼	105	77 - 119	3	20
1,4-Dioxane - RA	ND		875	870	J	ug/Kg	☼	100	18 - 166	10	40
Ethylbenzene - RA	ND		43.7	41.2		ug/Kg	☼	94	79 - 119	14	20
2-Hexanone - RA	ND		43.7	34.1		ug/Kg	☼	78	42 - 152	8	30
Isopropylbenzene - RA	ND		43.7	41.4		ug/Kg	☼	95	70 - 125	17	21
Methyl acetate - RA	ND		87.5	118		ug/Kg	☼	135	20 - 170	19	33
Methylcyclohexane - RA	ND		43.7	37.9		ug/Kg	☼	87	70 - 125	21	22
Methylene Chloride - RA	ND	*+	43.7	49.9		ug/Kg	☼	114	67 - 131	0	32
4-Methyl-2-pentanone (MIBK) - RA	ND		43.7	40.7		ug/Kg	☼	93	51 - 147	9	27
Methyl tert-butyl ether - RA	ND		43.7	44.8		ug/Kg	☼	102	58 - 132	9	24
m-Xylene & p-Xylene - RA	ND		43.7	40.6		ug/Kg	☼	93	77 - 120	14	20
o-Xylene - RA	ND		43.7	41.0		ug/Kg	☼	94	78 - 118	12	20
Styrene - RA	ND		43.7	43.7		ug/Kg	☼	100	80 - 120	7	20
1,1,2,2-Tetrachloroethane - RA	ND		43.7	47.1		ug/Kg	☼	108	36 - 170	14	23
Tetrachloroethene - RA	ND		43.7	38.1		ug/Kg	☼	87	71 - 121	20	21
Toluene - RA	ND		43.7	42.3		ug/Kg	☼	97	76 - 120	12	20
trans-1,2-Dichloroethene - RA	ND		43.7	42.1		ug/Kg	☼	96	75 - 122	14	20
trans-1,3-Dichloropropene - RA	ND		43.7	43.5		ug/Kg	☼	99	68 - 133	0	20
1,2,3-Trichlorobenzene - RA	ND		43.7	42.9		ug/Kg	☼	98	29 - 166	2	40
1,2,4-Trichlorobenzene - RA	ND		43.7	39.8		ug/Kg	☼	91	22 - 170	11	29
1,1,1-Trichloroethane - RA	ND		43.7	41.1		ug/Kg	☼	94	72 - 134	12	20
1,1,2-Trichloroethane - RA	ND		43.7	46.5		ug/Kg	☼	106	66 - 128	5	21
Trichloroethene - RA	ND		43.7	39.0		ug/Kg	☼	89	69 - 118	14	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane - RA	ND		43.7	44.0		ug/Kg	☼	101	32 - 149	24	39
1,1,2-Trichloro-1,2,2-trifluoroethane - RA	ND		43.7	40.3		ug/Kg	☼	92	59 - 135	14	28
Vinyl chloride - RA	ND		43.7	41.1	F2	ug/Kg	☼	94	64 - 134	27	23
Xylenes, Total - RA	ND		87.5	81.6		ug/Kg	☼	93	78 - 118	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr) - RA	*110*		*60 - 124*
Dibromofluoromethane (Surr) - RA	*111*		*69 - 126*
1,2-Dichloroethane-d4 (Surr) - RA	*120*		*73 - 135*
Toluene-d8 (Surr) - RA	*110*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440752/1-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Acenaphthylene	ND		67	15	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Acetophenone	ND		670	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Anthracene	ND		67	17	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Atrazine	ND		670	150	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Benzaldehyde	ND		670	41	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Caprolactam	ND		1700	220	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Carbazole	ND		67	16	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4-Chloroaniline	ND		330	88	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2-Chlorophenol	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Chrysene	ND		67	37	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Dibenzofuran	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/19/23 07:42	07/19/23 13:54	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440752/1-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Diethyl phthalate	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
1,4-Dioxane	ND		670	100	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Fluoranthene	ND		67	18	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Fluorene	ND		67	13	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Hexachloroethane	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Isophorone	ND		330	130	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2-Methylphenol	ND		330	96	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Naphthalene	ND		67	13	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Nitrobenzene	ND		670	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2-Nitrophenol	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Phenanthrene	ND		67	18	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Phenol	ND		330	100	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
Pyrene	ND		67	16	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/19/23 07:42	07/19/23 13:54	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/19/23 07:42	07/19/23 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/19/23 07:42*	*07/19/23 13:54*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*07/19/23 07:42*	*07/19/23 13:54*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*07/19/23 07:42*	*07/19/23 13:54*	*1*
Phenol-d5 (Surr)	*84*		*46 - 105*	*07/19/23 07:42*	*07/19/23 13:54*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*07/19/23 07:42*	*07/19/23 13:54*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*07/19/23 07:42*	*07/19/23 13:54*	*1*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440752/2-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4610		ug/Kg		69	50 - 100
Acenaphthylene	6670	5510		ug/Kg		83	52 - 100
Acetophenone	6670	4730		ug/Kg		71	48 - 100
Anthracene	6670	4920		ug/Kg		74	53 - 100
Atrazine	6670	4520		ug/Kg		68	49 - 103
Benzaldehyde	6670	6900		ug/Kg		104	23 - 105
Benzo[a]anthracene	6670	5060		ug/Kg		76	51 - 100
Benzo[a]pyrene	6670	5490		ug/Kg		82	51 - 100
Benzo[b]fluoranthene	6670	4610		ug/Kg		69	48 - 100
Benzo[g,h,i]perylene	6670	4580		ug/Kg		69	48 - 105
Benzo[k]fluoranthene	6670	5040		ug/Kg		76	19 - 100
1,1'-Biphenyl	6670	4960		ug/Kg		74	50 - 100
Bis(2-chloroethoxy)methane	6670	5140		ug/Kg		77	49 - 100
Bis(2-chloroethyl)ether	6670	5350		ug/Kg		80	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6540		ug/Kg		98	53 - 107
4-Bromophenyl phenyl ether	6670	4700		ug/Kg		71	52 - 101
Butyl benzyl phthalate	6670	6410		ug/Kg		96	52 - 107
Caprolactam	6670	4220		ug/Kg		63	48 - 111
Carbazole	6670	4770		ug/Kg		72	53 - 100
4-Chloroaniline	6670	4520		ug/Kg		68	47 - 100
4-Chloro-3-methylphenol	6670	4760		ug/Kg		71	49 - 106
2-Chloronaphthalene	6670	5060		ug/Kg		76	51 - 100
2-Chlorophenol	6670	5190		ug/Kg		78	51 - 100
4-Chlorophenyl phenyl ether	6670	4090		ug/Kg		61	52 - 100
Chrysene	6670	4750		ug/Kg		71	50 - 100
Dibenz(a,h)anthracene	6670	4800		ug/Kg		72	50 - 107
Dibenzofuran	6670	4380		ug/Kg		66	52 - 100
3,3'-Dichlorobenzidine	6670	4370		ug/Kg		66	43 - 100
2,4-Dichlorophenol	6670	4580		ug/Kg		69	53 - 101
Diethyl phthalate	6670	4810		ug/Kg		72	48 - 104
2,4-Dimethylphenol	6670	4250		ug/Kg		64	51 - 101
Dimethyl phthalate	6670	4670		ug/Kg		70	53 - 100
Di-n-butyl phthalate	6670	5230		ug/Kg		79	57 - 102
4,6-Dinitro-2-methylphenol	13300	8890		ug/Kg		67	51 - 100
2,4-Dinitrophenol	13300	7830		ug/Kg		59	33 - 101
2,4-Dinitrotoluene	6670	4480		ug/Kg		67	54 - 104
2,6-Dinitrotoluene	6670	4560		ug/Kg		68	51 - 106
Di-n-octyl phthalate	6670	7820	*+	ug/Kg		117	41 - 106
1,4-Dioxane	6670	5860		ug/Kg		88	25 - 125
Fluoranthene	6670	4480		ug/Kg		67	55 - 100
Fluorene	6670	4350		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4250		ug/Kg		64	49 - 100
Hexachlorobutadiene	6670	3900		ug/Kg		58	38 - 107
Hexachlorocyclopentadiene	6670	3380		ug/Kg		51	33 - 117
Hexachloroethane	6670	5160		ug/Kg		77	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4790		ug/Kg		72	51 - 103
Isophorone	6670	5720		ug/Kg		86	48 - 105
2-Methylnaphthalene	6670	4500		ug/Kg		67	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440752/2-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	6670	4890		ug/Kg		73	50 - 101
Methylphenol, 3 & 4	6670	4910		ug/Kg		74	50 - 103
Naphthalene	6670	4810		ug/Kg		72	51 - 100
2-Nitroaniline	6670	6360		ug/Kg		95	42 - 123
3-Nitroaniline	6670	4950		ug/Kg		74	50 - 103
4-Nitroaniline	6670	4820		ug/Kg		72	52 - 103
Nitrobenzene	6670	5710		ug/Kg		86	44 - 108
2-Nitrophenol	6670	5540		ug/Kg		83	55 - 107
4-Nitrophenol	13300	10500		ug/Kg		79	30 - 134
N-Nitrosodi-n-propylamine	6670	5210		ug/Kg		78	45 - 107
N-Nitrosodiphenylamine	6670	5390		ug/Kg		81	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5780		ug/Kg		87	30 - 113
Pentachlorophenol	13300	9070		ug/Kg		68	42 - 110
Phenanthrene	6670	4650		ug/Kg		70	53 - 100
Phenol	6670	4950		ug/Kg		74	49 - 100
Pyrene	6670	5400		ug/Kg		81	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4400		ug/Kg		66	41 - 104
2,3,4,6-Tetrachlorophenol	6670	3820		ug/Kg		57	47 - 104
2,4,5-Trichlorophenol	6670	4590		ug/Kg		69	50 - 104
2,4,6-Trichlorophenol	6670	5210		ug/Kg		78	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*68*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440868

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7620	4900		ug/Kg	☼	64	50 - 100
Acenaphthylene	ND		7620	5390		ug/Kg	☼	71	52 - 100
Acetophenone	ND		7620	3990		ug/Kg	☼	52	48 - 100
Anthracene	ND		7620	5060		ug/Kg	☼	66	53 - 100
Atrazine	ND	F1	7620	448	J F1	ug/Kg	☼	6	49 - 103
Benzaldehyde	ND	F1	7620	267	J F1	ug/Kg	☼	4	23 - 105
Benzo[a]anthracene	43	J	7620	5320		ug/Kg	☼	69	51 - 100
Benzo[a]pyrene	36	J	7620	5390		ug/Kg	☼	70	51 - 100
Benzo[b]fluoranthene	35	J	7620	4790		ug/Kg	☼	62	48 - 100
Benzo[g,h,i]perylene	21	J	7620	4810		ug/Kg	☼	63	48 - 105
Benzo[k]fluoranthene	23	J	7620	4920		ug/Kg	☼	64	19 - 100
1,1'-Biphenyl	ND		7620	5190		ug/Kg	☼	68	50 - 100
Bis(2-chloroethoxy)methane	ND		7620	4700		ug/Kg	☼	62	49 - 100
Bis(2-chloroethyl)ether	ND		7620	4650		ug/Kg	☼	61	48 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440868

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	ND		7620	5710		ug/Kg	☼	75	53 - 107
4-Bromophenyl phenyl ether	ND		7620	5410		ug/Kg	☼	71	52 - 101
Butyl benzyl phthalate	ND		7620	5750		ug/Kg	☼	75	52 - 107
Caprolactam	ND		7620	4250		ug/Kg	☼	56	48 - 111
Carbazole	ND		7620	4890		ug/Kg	☼	64	53 - 100
4-Chloroaniline	ND	F1	7620	2840	F1	ug/Kg	☼	37	47 - 100
4-Chloro-3-methylphenol	ND		7620	4550		ug/Kg	☼	60	49 - 106
2-Chloronaphthalene	ND		7620	5090		ug/Kg	☼	67	51 - 100
2-Chlorophenol	ND		7620	5000		ug/Kg	☼	66	51 - 100
4-Chlorophenyl phenyl ether	ND		7620	4890		ug/Kg	☼	64	52 - 100
Chrysene	42	J	7620	4980		ug/Kg	☼	65	50 - 100
Dibenz(a,h)anthracene	ND		7620	4890		ug/Kg	☼	64	50 - 107
Dibenzofuran	ND		7620	4800		ug/Kg	☼	63	52 - 100
3,3'-Dichlorobenzidine	ND		7620	3880		ug/Kg	☼	51	43 - 100
2,4-Dichlorophenol	ND		7620	4940		ug/Kg	☼	65	53 - 101
Diethyl phthalate	ND		7620	5180		ug/Kg	☼	68	48 - 104
2,4-Dimethylphenol	ND		7620	4320		ug/Kg	☼	57	51 - 101
Dimethyl phthalate	ND		7620	5130		ug/Kg	☼	67	53 - 100
Di-n-butyl phthalate	ND		7620	5000		ug/Kg	☼	66	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	15200	7460	F1	ug/Kg	☼	49	51 - 100
2,4-Dinitrophenol	ND	F1	15200	4440	F1	ug/Kg	☼	29	33 - 101
2,4-Dinitrotoluene	ND		7620	5020		ug/Kg	☼	66	54 - 104
2,6-Dinitrotoluene	ND		7620	5080		ug/Kg	☼	67	51 - 106
Di-n-octyl phthalate	ND	*+	7620	6430		ug/Kg	☼	84	41 - 106
1,4-Dioxane	ND		7620	4690		ug/Kg	☼	61	25 - 125
Fluoranthene	53	J	7620	4900		ug/Kg	☼	64	55 - 100
Fluorene	ND		7620	4830		ug/Kg	☼	63	52 - 100
Hexachlorobenzene	ND		7620	5160		ug/Kg	☼	68	49 - 100
Hexachlorobutadiene	ND		7620	5100		ug/Kg	☼	67	38 - 107
Hexachlorocyclopentadiene	ND	F1	7620	739	F1	ug/Kg	☼	10	33 - 117
Hexachloroethane	ND		7620	4700		ug/Kg	☼	62	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7620	4970		ug/Kg	☼	65	51 - 103
Isophorone	ND		7620	3750		ug/Kg	☼	49	48 - 105
2-Methylnaphthalene	ND		7620	4870		ug/Kg	☼	64	53 - 100
2-Methylphenol	ND		7620	4410		ug/Kg	☼	58	50 - 101
Methylphenol, 3 & 4	ND		7620	4270		ug/Kg	☼	56	50 - 103
Naphthalene	ND		7620	4780		ug/Kg	☼	63	51 - 100
2-Nitroaniline	ND		7620	5160		ug/Kg	☼	68	42 - 123
3-Nitroaniline	ND		7620	4470		ug/Kg	☼	59	50 - 103
4-Nitroaniline	ND		7620	4450		ug/Kg	☼	58	52 - 103
Nitrobenzene	ND		7620	5090		ug/Kg	☼	67	44 - 108
2-Nitrophenol	ND		7620	5350		ug/Kg	☼	70	55 - 107
4-Nitrophenol	ND		15200	10600		ug/Kg	☼	69	30 - 134
N-Nitrosodi-n-propylamine	ND		7620	4540		ug/Kg	☼	60	45 - 107
N-Nitrosodiphenylamine	ND		7620	5190		ug/Kg	☼	68	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7620	4010		ug/Kg	☼	53	30 - 113
Pentachlorophenol	ND		15200	9950		ug/Kg	☼	65	42 - 110
Phenanthrene	21	J	7620	4800		ug/Kg	☼	63	53 - 100
Phenol	ND		7620	4250		ug/Kg	☼	56	49 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440868

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	56	J	7620	5500		ug/Kg	☼	71	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7620	5170		ug/Kg	☼	68	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7620	4710		ug/Kg	☼	62	47 - 104
2,4,5-Trichlorophenol	ND		7620	5210		ug/Kg	☼	68	50 - 104
2,4,6-Trichlorophenol	ND		7620	5470		ug/Kg	☼	72	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*63*		*48 - 105*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*
Phenol-d5 (Surr)	*59*		*46 - 105*
Terphenyl-d14 (Surr)	*64*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 440868

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7670	5070		ug/Kg	☼	66	50 - 100	3	20
Acenaphthylene	ND		7670	5620		ug/Kg	☼	73	52 - 100	4	20
Acetophenone	ND		7670	4250		ug/Kg	☼	55	48 - 100	6	17
Anthracene	ND		7670	5330		ug/Kg	☼	69	53 - 100	5	20
Atrazine	ND	F1	7670	475	J F1	ug/Kg	☼	6	49 - 103	6	19
Benzaldehyde	ND	F1	7670	274	J F1	ug/Kg	☼	4	23 - 105	3	31
Benzo[a]anthracene	43	J	7670	5550		ug/Kg	☼	72	51 - 100	4	21
Benzo[a]pyrene	36	J	7670	5760		ug/Kg	☼	75	51 - 100	7	20
Benzo[b]fluoranthene	35	J	7670	4830		ug/Kg	☼	63	48 - 100	1	20
Benzo[g,h,i]perylene	21	J	7670	5160		ug/Kg	☼	67	48 - 105	7	19
Benzo[k]fluoranthene	23	J	7670	5400		ug/Kg	☼	70	19 - 100	9	20
1,1'-Biphenyl	ND		7670	5340		ug/Kg	☼	70	50 - 100	3	19
Bis(2-chloroethoxy)methane	ND		7670	4820		ug/Kg	☼	63	49 - 100	2	20
Bis(2-chloroethyl)ether	ND		7670	4830		ug/Kg	☼	63	48 - 100	4	18
Bis(2-ethylhexyl) phthalate	ND		7670	6000		ug/Kg	☼	78	53 - 107	5	20
4-Bromophenyl phenyl ether	ND		7670	5710		ug/Kg	☼	74	52 - 101	5	20
Butyl benzyl phthalate	ND		7670	6060		ug/Kg	☼	79	52 - 107	5	19
Caprolactam	ND		7670	4320		ug/Kg	☼	56	48 - 111	1	23
Carbazole	ND		7670	5200		ug/Kg	☼	68	53 - 100	6	20
4-Chloroaniline	ND	F1	7670	2950	F1	ug/Kg	☼	38	47 - 100	4	20
4-Chloro-3-methylphenol	ND		7670	4670		ug/Kg	☼	61	49 - 106	3	20
2-Chloronaphthalene	ND		7670	5370		ug/Kg	☼	70	51 - 100	5	20
2-Chlorophenol	ND		7670	5270		ug/Kg	☼	69	51 - 100	5	17
4-Chlorophenyl phenyl ether	ND		7670	5130		ug/Kg	☼	67	52 - 100	5	19
Chrysene	42	J	7670	5250		ug/Kg	☼	68	50 - 100	5	20
Dibenz(a,h)anthracene	ND		7670	5220		ug/Kg	☼	68	50 - 107	7	21
Dibenzofuran	ND		7670	4970		ug/Kg	☼	65	52 - 100	4	19
3,3'-Dichlorobenzidine	ND		7670	4050		ug/Kg	☼	53	43 - 100	4	19
2,4-Dichlorophenol	ND		7670	5100		ug/Kg	☼	66	53 - 101	3	22

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159406-11 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S44
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440868
Prep Batch: 440752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diethyl phthalate	ND		7670	5290		ug/Kg	☼	69	48 - 104	2	20
2,4-Dimethylphenol	ND		7670	4420		ug/Kg	☼	58	51 - 101	2	32
Dimethyl phthalate	ND		7670	5370		ug/Kg	☼	70	53 - 100	5	21
Di-n-butyl phthalate	ND		7670	5280		ug/Kg	☼	69	57 - 102	5	20
4,6-Dinitro-2-methylphenol	ND	F1	15300	7460	F1	ug/Kg	☼	49	51 - 100	0	22
2,4-Dinitrophenol	ND	F1	15300	3810	F1	ug/Kg	☼	25	33 - 101	15	20
2,4-Dinitrotoluene	ND		7670	5160		ug/Kg	☼	67	54 - 104	3	20
2,6-Dinitrotoluene	ND		7670	5310		ug/Kg	☼	69	51 - 106	4	20
Di-n-octyl phthalate	ND	*+	7670	6850		ug/Kg	☼	89	41 - 106	6	18
1,4-Dioxane	ND		7670	4840		ug/Kg	☼	63	25 - 125	3	17
Fluoranthene	53	J	7670	5190		ug/Kg	☼	67	55 - 100	6	20
Fluorene	ND		7670	5010		ug/Kg	☼	65	52 - 100	4	19
Hexachlorobenzene	ND		7670	5520		ug/Kg	☼	72	49 - 100	7	20
Hexachlorobutadiene	ND		7670	5280		ug/Kg	☼	69	38 - 107	3	22
Hexachlorocyclopentadiene	ND	F1	7670	775	F1	ug/Kg	☼	10	33 - 117	5	19
Hexachloroethane	ND		7670	4950		ug/Kg	☼	65	47 - 100	5	17
Indeno[1,2,3-cd]pyrene	ND		7670	5340		ug/Kg	☼	70	51 - 103	7	19
Isophorone	ND		7670	3900		ug/Kg	☼	51	48 - 105	4	20
2-Methylnaphthalene	ND		7670	5030		ug/Kg	☼	66	53 - 100	3	21
2-Methylphenol	ND		7670	4720		ug/Kg	☼	61	50 - 101	7	17
Methylphenol, 3 & 4	ND		7670	4560		ug/Kg	☼	59	50 - 103	7	19
Naphthalene	ND		7670	4920		ug/Kg	☼	64	51 - 100	3	20
2-Nitroaniline	ND		7670	5450		ug/Kg	☼	71	42 - 123	5	19
3-Nitroaniline	ND		7670	4630		ug/Kg	☼	60	50 - 103	3	20
4-Nitroaniline	ND		7670	4750		ug/Kg	☼	62	52 - 103	6	18
Nitrobenzene	ND		7670	5230		ug/Kg	☼	68	44 - 108	3	21
2-Nitrophenol	ND		7670	5570		ug/Kg	☼	73	55 - 107	4	19
4-Nitrophenol	ND		15300	10700		ug/Kg	☼	70	30 - 134	1	18
N-Nitrosodi-n-propylamine	ND		7670	4780		ug/Kg	☼	62	45 - 107	5	18
N-Nitrosodiphenylamine	ND		7670	5660		ug/Kg	☼	74	52 - 100	9	20
2,2'-oxybis[1-chloropropane]	ND		7670	4190		ug/Kg	☼	55	30 - 113	4	17
Pentachlorophenol	ND		15300	10500		ug/Kg	☼	69	42 - 110	6	20
Phenanthrene	21	J	7670	5110		ug/Kg	☼	66	53 - 100	6	20
Phenol	ND		7670	4420		ug/Kg	☼	58	49 - 100	4	16
Pyrene	56	J	7670	5720		ug/Kg	☼	74	52 - 100	4	20
1,2,4,5-Tetrachlorobenzene	ND		7670	5370		ug/Kg	☼	70	41 - 104	4	21
2,3,4,6-Tetrachlorophenol	ND		7670	4800		ug/Kg	☼	63	47 - 104	2	18
2,4,5-Trichlorophenol	ND		7670	5440		ug/Kg	☼	71	50 - 104	4	21
2,4,6-Trichlorophenol	ND		7670	5620		ug/Kg	☼	73	50 - 105	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*44 - 105*
2-Fluorophenol (Surr)	*66*		*48 - 105*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*
Phenol-d5 (Surr)	*62*		*46 - 105*
Terphenyl-d14 (Surr)	*66*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440710/1-C
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1221	ND		17	5.9	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1232	ND		17	4.1	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1242	ND		17	2.4	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1248	ND		17	4.0	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1254	ND		17	5.0	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1260	ND		17	4.7	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1262	ND		17	5.9	ug/Kg		07/18/23 16:01	07/19/23 10:00	1
PCB-1268	ND		17	2.2	ug/Kg		07/18/23 16:01	07/19/23 10:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*07/18/23 16:01*	*07/19/23 10:00*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/18/23 16:01*	*07/19/23 10:00*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/18/23 16:01*	*07/19/23 10:00*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*07/18/23 16:01*	*07/19/23 10:00*	*1*

Lab Sample ID: LCS 180-440710/2-C
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440710

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1170		ug/Kg		87	43 - 136		
PCB-1260			1330	1200		ug/Kg		90	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1520	1210		ug/Kg	☼	79	43 - 136		
PCB-1260	ND		1520	1170		ug/Kg	☼	77	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-159406-11 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S44
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440736
Prep Batch: 440710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1520	1030		ug/Kg	☼	67	43 - 136	16	40
PCB-1260	ND		1520	1030		ug/Kg	☼	68	55 - 128	12	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*75*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440678/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441198
Prep Batch: 440678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.8	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Antimony	ND		0.96	0.29	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Arsenic	ND		0.96	0.60	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Barium	ND		19	3.4	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Beryllium	ND		0.38	0.10	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Cadmium	ND		0.48	0.071	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Calcium	ND		480	62	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Chromium	ND		0.48	0.44	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Cobalt	ND		4.8	0.68	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Copper	ND		2.4	1.5	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Iron	ND		9.6	9.4	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Lead	ND		0.96	0.84	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Magnesium	ND		480	53	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Manganese	ND		1.4	0.27	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Nickel	ND		3.8	0.48	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Potassium	ND		480	82	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Selenium	ND		0.96	0.44	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Silver	ND		0.48	0.10	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Sodium	ND		480	49	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Thallium	ND		1.9	0.27	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Vanadium	ND		4.8	0.76	mg/Kg		07/19/23 09:00	07/21/23 15:06	1
Zinc	ND		1.9	1.4	mg/Kg		07/19/23 09:00	07/21/23 15:06	1

Lab Sample ID: LCS 180-440678/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441198
Prep Batch: 440678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	490	498		mg/Kg		102	80 - 120
Antimony	24.5	25.1		mg/Kg		102	80 - 120
Arsenic	98.0	103		mg/Kg		105	80 - 120
Barium	98.0	99.1		mg/Kg		101	80 - 120
Beryllium	49.0	51.0		mg/Kg		104	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-440678/2-A
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	49.0	49.3		mg/Kg		101	80 - 120
Calcium	2450	2540		mg/Kg		103	80 - 120
Chromium	49.0	49.8		mg/Kg		102	80 - 120
Cobalt	49.0	48.9		mg/Kg		100	80 - 120
Copper	49.0	50.6		mg/Kg		103	80 - 120
Iron	490	509		mg/Kg		104	80 - 120
Lead	49.0	49.7		mg/Kg		101	80 - 120
Magnesium	2450	2480		mg/Kg		101	80 - 120
Manganese	49.0	49.6		mg/Kg		101	80 - 120
Nickel	49.0	49.8		mg/Kg		102	80 - 120
Potassium	2450	2530		mg/Kg		103	80 - 120
Selenium	98.0	107		mg/Kg		109	80 - 120
Silver	24.5	24.9		mg/Kg		102	80 - 120
Sodium	2450	2700		mg/Kg		110	80 - 120
Thallium	98.0	99.4		mg/Kg		101	80 - 120
Vanadium	49.0	48.5		mg/Kg		99	80 - 120
Zinc	24.5	25.8		mg/Kg		105	80 - 120

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9700		411	10900	4	mg/Kg	☼	291	75 - 125
Antimony	ND	F1	20.5	7.39	F1	mg/Kg	☼	36	75 - 125
Arsenic	4.9		82.2	85.3		mg/Kg	☼	98	75 - 125
Barium	80	F1	82.2	170		mg/Kg	☼	110	75 - 125
Beryllium	0.39		41.1	39.8		mg/Kg	☼	96	75 - 125
Cadmium	0.65		41.1	39.0		mg/Kg	☼	93	75 - 125
Calcium	1700		2050	3350		mg/Kg	☼	82	75 - 125
Chromium	11		41.1	50.5		mg/Kg	☼	97	75 - 125
Cobalt	6.9		41.1	47.0		mg/Kg	☼	97	75 - 125
Copper	33	F1	41.1	63.9	F1	mg/Kg	☼	74	75 - 125
Iron	19000	F2	411	14300	4	mg/Kg	☼	-1131	75 - 125
Lead	26		41.1	58.3		mg/Kg	☼	78	75 - 125
Magnesium	2300	F1	2050	3750	F1	mg/Kg	☼	72	75 - 125
Manganese	480	F2	41.1	463	4	mg/Kg	☼	-52	75 - 125
Nickel	18		41.1	58.6		mg/Kg	☼	98	75 - 125
Potassium	550		2050	2400		mg/Kg	☼	90	75 - 125
Selenium	ND		82.2	81.9		mg/Kg	☼	100	75 - 125
Silver	ND		20.5	20.3		mg/Kg	☼	99	75 - 125
Sodium	86	J	2050	2160		mg/Kg	☼	101	75 - 125
Thallium	ND		82.2	81.7		mg/Kg	☼	99	75 - 125
Vanadium	15		41.1	54.2		mg/Kg	☼	96	75 - 125
Zinc	63	F2 F1	20.5	86.0		mg/Kg	☼	112	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9700		394	13400	4	mg/Kg	☼	934	75 - 125	20	20
Antimony	ND	F1	19.7	7.60	F1	mg/Kg	☼	39	75 - 125	3	20
Arsenic	4.9		78.8	85.0		mg/Kg	☼	102	75 - 125	0	20
Barium	80	F1	78.8	193	F1	mg/Kg	☼	143	75 - 125	12	20
Beryllium	0.39		39.4	39.4		mg/Kg	☼	99	75 - 125	1	20
Cadmium	0.65		39.4	38.7		mg/Kg	☼	97	75 - 125	1	20
Calcium	1700		1970	3570		mg/Kg	☼	96	75 - 125	6	20
Chromium	11		39.4	52.4		mg/Kg	☼	106	75 - 125	4	20
Cobalt	6.9		39.4	49.7		mg/Kg	☼	108	75 - 125	6	20
Copper	33	F1	39.4	64.9		mg/Kg	☼	80	75 - 125	2	20
Iron	19000	F2	394	19200	4 F2	mg/Kg	☼	66	75 - 125	29	20
Lead	26		39.4	58.8		mg/Kg	☼	83	75 - 125	1	20
Magnesium	2300	F1	1970	4310		mg/Kg	☼	103	75 - 125	14	20
Manganese	480	F2	39.4	696	4 F2	mg/Kg	☼	538	75 - 125	40	20
Nickel	18		39.4	62.7		mg/Kg	☼	113	75 - 125	7	20
Potassium	550		1970	2460		mg/Kg	☼	97	75 - 125	2	20
Selenium	ND		78.8	78.8		mg/Kg	☼	100	75 - 125	4	20
Silver	ND		19.7	19.7		mg/Kg	☼	100	75 - 125	3	20
Sodium	86	J	1970	2130		mg/Kg	☼	104	75 - 125	2	20
Thallium	ND		78.8	80.3		mg/Kg	☼	102	75 - 125	2	20
Vanadium	15		39.4	58.1		mg/Kg	☼	109	75 - 125	7	20
Zinc	63	F2 F1	19.7	108	F1 F2	mg/Kg	☼	231	75 - 125	23	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440696/1-A
Matrix: Solid
Analysis Batch: 440944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/19/23 07:55	07/20/23 09:23	1

Lab Sample ID: LCS 180-440696/2-A
Matrix: Solid
Analysis Batch: 440944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.386		mg/Kg		93	80 - 120

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 440944

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 440696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.032	J	0.192	0.238		mg/Kg	☼	107	80 - 120

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-159406-11 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S44
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440944
Prep Batch: 440696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.032	J	0.189	0.211		mg/Kg	☼	95	80 - 120	12	20

GC/MS VOA

Analysis Batch: 440628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	EPA 8260C	440690
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	EPA 8260C	440690
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	EPA 8260C	440690
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	EPA 8260C	440690
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	EPA 8260C	440690
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	EPA 8260C	440690
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	EPA 8260C	440690
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	EPA 8260C	440690
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8260C	440690
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	EPA 8260C	440690
MB 180-440628/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440628/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440628/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8260C	440690
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8260C	440690

Prep Batch: 440690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	5035	
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	5035	
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	5035	
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	5035	
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	5035	
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	5035	
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	5035	
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	5035	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	5035	
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	5035	
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	5035	
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	5035	
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	5035	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	5035	
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	5035	
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	5035	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	5035	
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	5035	

Analysis Batch: 440759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	EPA 8260C	440810
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	EPA 8260C	440810
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	EPA 8260C	440690
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	EPA 8260C	440690
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	EPA 8260C	440690
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	EPA 8260C	440690
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	EPA 8260C	440690
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	EPA 8260C	440690
MB 180-440759/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440759/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440759/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS VOA

Prep Batch: 440810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	5035	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	5035	

Prep Batch: 440846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-11 MSD - RA	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	5035	

Analysis Batch: 440981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440981/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440981/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440981/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-159406-11 MSD - RA	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8260C	440846

GC/MS Semi VOA

Prep Batch: 440752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	3541	
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	3541	
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	3541	
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	3541	
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	3541	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	3541	
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	3541	
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	3541	
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	3541	
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	3541	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3541	
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	3541	
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	3541	
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	3541	
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	3541	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	3541	
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	3541	
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	3541	
MB 180-440752/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440752/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3541	
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3541	

Analysis Batch: 440807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440752/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440752
LCS 180-440752/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440752

Analysis Batch: 440868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	EPA 8270D	440752
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	EPA 8270D	440752
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	EPA 8270D	440752

GC/MS Semi VOA (Continued)

Analysis Batch: 440868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	EPA 8270D	440752
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	EPA 8270D	440752
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	EPA 8270D	440752
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	EPA 8270D	440752
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	EPA 8270D	440752
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	EPA 8270D	440752
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	EPA 8270D	440752
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8270D	440752
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	EPA 8270D	440752
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	EPA 8270D	440752
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	EPA 8270D	440752
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	EPA 8270D	440752
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	EPA 8270D	440752
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	EPA 8270D	440752
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	EPA 8270D	440752
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8270D	440752
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8270D	440752

GC Semi VOA

Prep Batch: 440710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	3541	
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	3541	
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	3541	
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	3541	
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	3541	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	3541	
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	3541	
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	3541	
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	3541	
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	3541	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3541	
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	3541	
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	3541	
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	3541	
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	3541	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	3541	
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	3541	
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	3541	
MB 180-440710/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-440710/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3541	
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3541	

Cleanup Batch: 440729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	3665A	440710
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	3665A	440710
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	3665A	440710
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	3665A	440710

GC Semi VOA (Continued)

Cleanup Batch: 440729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	3665A	440710
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	3665A	440710
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	3665A	440710
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	3665A	440710
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	3665A	440710
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	3665A	440710
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3665A	440710
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	3665A	440710
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	3665A	440710
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	3665A	440710
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	3665A	440710
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	3665A	440710
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	3665A	440710
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	3665A	440710
MB 180-440710/1-C	Method Blank	Total/NA	Solid	3665A	440710
LCS 180-440710/2-C	Lab Control Sample	Total/NA	Solid	3665A	440710
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3665A	440710
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3665A	440710

Cleanup Batch: 440730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	3660B	440729
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	3660B	440729
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	3660B	440729
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	3660B	440729
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	3660B	440729
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	3660B	440729
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	3660B	440729
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	3660B	440729
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	3660B	440729
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	3660B	440729
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3660B	440729
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	3660B	440729
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	3660B	440729
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	3660B	440729
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	3660B	440729
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	3660B	440729
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	3660B	440729
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	3660B	440729
MB 180-440710/1-C	Method Blank	Total/NA	Solid	3660B	440729
LCS 180-440710/2-C	Lab Control Sample	Total/NA	Solid	3660B	440729
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3660B	440729
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3660B	440729

Analysis Batch: 440736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	EPA 8082A	440730
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	EPA 8082A	440730
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	EPA 8082A	440730
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	EPA 8082A	440730
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	EPA 8082A	440730

GC Semi VOA (Continued)

Analysis Batch: 440736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	EPA 8082A	440730
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	EPA 8082A	440730
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	EPA 8082A	440730
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	EPA 8082A	440730
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	EPA 8082A	440730
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8082A	440730
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	EPA 8082A	440730
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	EPA 8082A	440730
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	EPA 8082A	440730
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	EPA 8082A	440730
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	EPA 8082A	440730
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	EPA 8082A	440730
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	EPA 8082A	440730
MB 180-440710/1-C	Method Blank	Total/NA	Solid	EPA 8082A	440730
LCS 180-440710/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	440730
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8082A	440730
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 8082A	440730

Metals

Prep Batch: 440678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	3050B	
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	3050B	
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	3050B	
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	3050B	
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	3050B	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	3050B	
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	3050B	
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	3050B	
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	3050B	
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	3050B	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3050B	
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	3050B	
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	3050B	
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	3050B	
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	3050B	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	3050B	
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	3050B	
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	3050B	
MB 180-440678/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440678/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3050B	
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	3050B	

Prep Batch: 440696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	7471B	
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	7471B	
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	7471B	
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 440696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	7471B	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	7471B	
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	7471B	
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	7471B	
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	7471B	
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	7471B	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	7471B	
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	7471B	
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	7471B	
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	7471B	
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	7471B	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	7471B	
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	7471B	
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	7471B	
MB 180-440696/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440696/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	7471B	
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	7471B	

Analysis Batch: 440944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	EPA 7471B	440696
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	EPA 7471B	440696
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	EPA 7471B	440696
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	EPA 7471B	440696
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	EPA 7471B	440696
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	EPA 7471B	440696
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	EPA 7471B	440696
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	EPA 7471B	440696
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	EPA 7471B	440696
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	EPA 7471B	440696
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 7471B	440696
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	EPA 7471B	440696
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	EPA 7471B	440696
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	EPA 7471B	440696
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	EPA 7471B	440696
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	EPA 7471B	440696
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	EPA 7471B	440696
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	EPA 7471B	440696
MB 180-440696/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440696
LCS 180-440696/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440696
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 7471B	440696
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 7471B	440696

Analysis Batch: 441198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	EPA 6010C	440678
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	EPA 6010C	440678
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	EPA 6010C	440678
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	EPA 6010C	440678
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	EPA 6010C	440678

Metals (Continued)

Analysis Batch: 441198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	EPA 6010C	440678
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	EPA 6010C	440678
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	EPA 6010C	440678
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	EPA 6010C	440678
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	EPA 6010C	440678
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 6010C	440678
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	EPA 6010C	440678
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	EPA 6010C	440678
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	EPA 6010C	440678
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	EPA 6010C	440678
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	EPA 6010C	440678
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	EPA 6010C	440678
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	EPA 6010C	440678
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	EPA 6010C	440678
MB 180-440678/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440678
LCS 180-440678/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440678
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 6010C	440678
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	EPA 6010C	440678

General Chemistry

Analysis Batch: 440706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	2540G	
180-159406-2	SSHS-ISMP-NAF-UT-S36	Total/NA	Solid	2540G	
180-159406-3	SSHS-ISMP-NAF-UT-S37	Total/NA	Solid	2540G	
180-159406-4	SSHS-ISMP-NAF-UT-S38	Total/NA	Solid	2540G	
180-159406-5	SSHS-ISMP-NAF-UT-S39	Total/NA	Solid	2540G	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	2540G	
180-159406-7	SSHS-ISMP-NAF-UT-S41	Total/NA	Solid	2540G	
180-159406-8	SSHS-ISMP-NAF-UT-S42	Total/NA	Solid	2540G	
180-159406-9	SSHS-ISMP-NAF-UT-S43	Total/NA	Solid	2540G	
180-159406-10	SSHS-ISMP-NAF-DUP13A	Total/NA	Solid	2540G	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	2540G	
180-159406-12	SSHS-ISMP-NAF-UT-S45	Total/NA	Solid	2540G	
180-159406-13	SSHS-ISMP-NAF-UT-S46	Total/NA	Solid	2540G	
180-159406-14	SSHS-ISMP-NAF-UT-B11	Total/NA	Solid	2540G	
180-159406-15	SSHS-ISMP-NAF-UT-B12	Total/NA	Solid	2540G	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	2540G	
180-159406-17	SSHS-ISMP-NAF-UT-S47	Total/NA	Solid	2540G	
180-159406-18	SSHS-ISMP-NAF-UT-S48	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S35	7/17/23	1400	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S36	7/17/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S37	7/17/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S38	7/17/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S39	7/17/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S40	7/17/23	1425	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S41	7/17/23	1430	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S42	7/17/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S43	7/17/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP13A	7/17/23	–	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S44	7/17/23	1445	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-ISMP-NAF-UT-S45	7/17/23	1450	G	S	N	N	X	X	X	X									6	

180-159406 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Steller	Date/Time: 7/17/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 09:20	Company: Eurofins Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s).	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S46	7/17/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B11	7/17/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B12	7/17/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B13	7/17/23	1510	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S47	7/17/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S48	7/17/23	1520	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: Miranda Stelmach	Date/Time: 7/17/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 9:30	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-159407 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercu	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S35	7/17/23	1400	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S36	7/17/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S37	7/17/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S38	7/17/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S39	7/17/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S40	7/17/23	1425	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S41	7/17/23	1430	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S42	7/17/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S43	7/17/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP13A	7/17/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S44	7/17/23	1445	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-ISMP-NAF-UT-S45	7/17/23	1450	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Maurice Jackson	7/17/23 1800	Geosyntec		7/18/23 1020	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

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7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	Z Miller/ M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S46	7/17/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B11	7/17/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B12	7/17/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B13	7/17/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S47	7/17/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S48	7/17/23	1520	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Miranda Stelmach	Date/Time: 7/17/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 1020	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-159406 Field Sheet

Job ____

Tracking # 7727 3624 0637

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID L10 Corr Factor (+ / -) ____ °C

Ice — Wet ____ Gel ____ Other ____

Cooler Custody Seal —

Cooler ID —

Temp Observed 3.4 °C Corrected 3.4 °C

From Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JF Date 7/18/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials VT Date 07/18/23

Notes ____

Trizma Lot #(s) ____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials SD Date 7/18/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159406-1

Login Number: 159406
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/24/2023 1:56:58 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159407-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/24/2023 1:56:58 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159407-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159407-1

Receipt
The samples were received on 7/18/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 3.4º C, 3.4º C, 3.8º C, 3.8º C, 3.9º C and 5.2º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-440759 was above the control limits for the following analyte: Acetone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440759 was below criteria for the following analytes: 2-Hexanone, 4-Methyl-2-pentanone, Bromoform, and 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440759 was above criteria for the following analytes: Chloromethane, Trichlorofluoromethane, and Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440837 was above criteria for the following analytes: Chloromethane, Methyl acetate, and Trichlorofluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for preparation batch 180-440758 recovered above the control limits for the following analytes: Benzaldehyde and/or Di-n-octyl phthalate. As these analytes were biased high in the LCS/LCSD and were not detected in the associated samples, the results were reported.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440777 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440807 was above criteria for the following analytes: Benzaldehyde, Di-n-octyl phthalate, and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S49 (180-159407-1) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 180-159407-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159407-1	SSHS-ISMP-NAF-UT-S49	Solid	07/17/23 15:25	07/18/23 09:20
180-159407-2	SSHS-ISMP-NAF-UT-S50	Solid	07/17/23 15:30	07/18/23 09:20
180-159407-3	SSHS-ISMP-NAF-UT-S51	Solid	07/17/23 15:35	07/18/23 09:20
180-159407-4	SSHS-ISMP-NAF-DUP14A	Solid	07/17/23 00:00	07/18/23 09:20
180-159407-5	SSHS-ISMP-NAF-UT-S52	Solid	07/17/23 15:40	07/18/23 09:20
180-159407-6	SSHS-ISMP-NAF-UT-S53	Solid	07/17/23 15:45	07/18/23 09:20
180-159407-7	SSHS-ISMP-NAF-UT-S54	Solid	07/17/23 15:50	07/18/23 09:20
180-159407-8	SSHS-ISMP-NAF-UT-B14	Solid	07/17/23 15:55	07/18/23 09:20
180-159407-9	SSHS-ISMP-NAF-UT-B15	Solid	07/17/23 16:00	07/18/23 09:20
180-159407-10	SSHS-ISMP-NAF-UT-B16	Solid	07/17/23 16:05	07/18/23 09:20

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Lab Sample ID: 180-159407-1
Date Collected: 07/17/23 15:25
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Lab Sample ID: 180-159407-1
Date Collected: 07/17/23 15:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4608 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 17:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 16:54	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.5 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 17:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.57 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 17:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 09:56	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3079 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 17:56	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 17:17	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
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Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 17:56	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.60 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:00	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3
Date Collected: 07/17/23 15:35
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3
Date Collected: 07/17/23 15:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/19/23 23:58	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 17:39	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 18:14	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.71 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:01	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3078 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440759	07/19/23 18:41	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 18:01	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 18:32	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.62 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:02	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5
Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5
Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6095 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 00:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 18:23	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
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Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5
Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 18:49	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.58 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6478 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 01:58	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440868	07/20/23 18:45	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 19:07	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.70 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:04	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
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Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7
Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440708	07/18/23 15:31	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7
Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5628 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 02:21	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440777	07/19/23 18:33	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 20:00	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.72 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440709	07/18/23 15:56	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3304 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 02:43	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440777	07/19/23 18:54	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
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Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 20:18	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.86 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:09	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B15
Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440709	07/18/23 15:56	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B15
Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0649 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 03:06	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440777	07/19/23 19:16	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 20:35	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.70 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:10	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B16
Lab Sample ID: 180-159407-10
Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440707	07/18/23 15:03	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B16
Lab Sample ID: 180-159407-10
Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3304 g	5 mL	440810	07/19/23 07:46	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 03:29	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440758	07/19/23 07:49	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440777	07/19/23 19:38	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	440711	07/18/23 16:17	JSM	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440731	07/19/23 04:27	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440732	07/19/23 04:28	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440736	07/19/23 20:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			.79 g	50 mL	440680	07/19/23 07:15	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441198	07/21/23 18:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440694	07/19/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			440944	07/20/23 10:11	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- JSM = Joseph Moore
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SJM = Shannon Mueller
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SNR = Sabra Richart
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Lab Sample ID: 180-159407-1
Date Collected: 07/17/23 15:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	24	3.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Benzene	ND		4.9	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Styrene	ND		4.9	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Toluene	ND		4.9	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Lab Sample ID: 180-159407-1
Date Collected: 07/17/23 15:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1
Xylenes, Total	ND		9.8	7.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*07/19/23 07:46*	*07/19/23 17:33*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*07/19/23 07:46*	*07/19/23 17:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*73 - 135*	*07/19/23 07:46*	*07/19/23 17:33*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*07/19/23 07:46*	*07/19/23 17:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Acetophenone	ND		700	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Anthracene	ND		70	18	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Atrazine	ND		700	150	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Benzaldehyde	ND	*+	700	43	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Carbazole	ND		70	16	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Chrysene	ND		70	39	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Lab Sample ID: 180-159407-1
Date Collected: 07/17/23 15:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Fluorene	ND		70	14	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Isophorone	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Naphthalene	ND		70	14	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Phenol	ND		340	110	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
Pyrene	ND		70	17	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/19/23 07:49*	*07/20/23 16:54*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*07/19/23 07:49*	*07/20/23 16:54*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/19/23 07:49*	*07/20/23 16:54*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*07/19/23 07:49*	*07/20/23 16:54*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*07/19/23 07:49*	*07/20/23 16:54*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*	*07/19/23 07:49*	*07/20/23 16:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1221	ND		17	6.1	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Lab Sample ID: 180-159407-1
Date Collected: 07/17/23 15:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	6.0	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/18/23 16:17	07/19/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*07/18/23 16:17*	*07/19/23 17:39*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*07/18/23 16:17*	*07/19/23 17:39*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:17*	*07/19/23 17:39*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/18/23 16:17*	*07/19/23 17:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		19	4.7	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Antimony	ND	F1	0.93	0.28	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Arsenic	**14**		0.93	0.59	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Barium	**100**	**F1**	19	3.3	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Beryllium	**0.55**		0.37	0.10	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Cadmium	**0.97**		0.47	0.069	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Calcium	**6500**	**F1**	470	60	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Chromium	**16**		0.47	0.43	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Cobalt	**12**		4.7	0.66	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Copper	**22**		2.3	1.4	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Iron	**28000**		9.3	9.1	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Lead	**15**		0.93	0.81	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Magnesium	**3900**	**F1**	470	51	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Manganese	**490**		1.4	0.26	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Nickel	**29**		3.7	0.47	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Potassium	**1200**	**F1**	470	80	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Sodium	**110**	**J**	470	48	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Vanadium	**18**		4.7	0.74	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1
Zinc	**68**	**F1**	1.9	1.4	mg/Kg	☼	07/19/23 07:15	07/21/23 17:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	07/19/23 08:00	07/20/23 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.1**		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	**93.9**		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	*1	25	3.9	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,3-Dichlorobenzene	ND		5.0	3.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,1-Dichloroethene	ND		5.0	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2-Dichloroethene, Total	ND		9.9	4.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,4-Dioxane	ND		990	75	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Toluene	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2,3-Trichlorobenzene	ND		9.9	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
1,1,2-Trichloroethane	ND		5.0	0.98	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2

Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	07/19/23 07:46	07/19/23 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*07/19/23 07:46*	*07/19/23 17:56*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/19/23 07:46*	*07/19/23 17:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*07/19/23 07:46*	*07/19/23 17:56*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*07/19/23 07:46*	*07/19/23 17:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Acetophenone	ND		700	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Anthracene	ND		70	18	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Atrazine	ND		700	150	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Benzaldehyde	ND	*+	700	43	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Carbazole	ND		70	16	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Chrysene	ND		70	39	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Di-n-octyl phthalate	ND	*+	340	200	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Fluorene	ND		70	14	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Isophorone	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Naphthalene	ND		70	14	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Phenol	ND		340	110	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
Pyrene	ND		70	16	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/19/23 07:49*	*07/20/23 17:17*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*07/19/23 07:49*	*07/20/23 17:17*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*07/19/23 07:49*	*07/20/23 17:17*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:49*	*07/20/23 17:17*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*07/19/23 07:49*	*07/20/23 17:17*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*	*07/19/23 07:49*	*07/20/23 17:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.5	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1221	ND		17	6.0	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1232	ND		17	4.1	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1254	ND		17	5.1	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1260	ND		17	4.8	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1262	ND		17	6.0	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/18/23 16:17	07/19/23 17:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2

Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/18/23 16:17*	*07/19/23 17:56*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/18/23 16:17*	*07/19/23 17:56*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/18/23 16:17*	*07/19/23 17:56*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/18/23 16:17*	*07/19/23 17:56*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		18	4.4	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Antimony	ND		0.88	0.27	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Arsenic	**13**		0.88	0.55	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Barium	**95**		18	3.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Beryllium	**0.57**		0.35	0.095	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Cadmium	**1.0**		0.44	0.064	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Calcium	**5700**		440	57	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Chromium	**17**		0.44	0.40	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Cobalt	**13**		4.4	0.62	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Copper	**32**		2.2	1.3	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Iron	**30000**		8.8	8.5	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Lead	**15**		0.88	0.76	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Magnesium	**4100**		440	48	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Manganese	**490**		1.3	0.24	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Nickel	**31**		3.5	0.44	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Potassium	**960**		440	75	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Selenium	ND		0.88	0.40	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Silver	ND		0.44	0.091	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Sodium	**45**	**J**	440	45	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Thallium	ND		1.8	0.25	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Vanadium	**18**		4.4	0.69	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1
Zinc	**68**		1.8	1.3	mg/Kg	☼	07/19/23 07:15	07/21/23 18:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	07/19/23 08:00	07/20/23 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.9**		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	**95.1**		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3

Date Collected: 07/17/23 15:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3
Date Collected: 07/17/23 15:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/19/23 07:46	07/19/23 23:58	1

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3

Date Collected: 07/17/23 15:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/19/23 07:46*	*07/19/23 23:58*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*07/19/23 07:46*	*07/19/23 23:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*07/19/23 07:46*	*07/19/23 23:58*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*07/19/23 07:46*	*07/19/23 23:58*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Acenaphthylene	ND		73	16	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Acetophenone	ND		730	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Anthracene	ND		73	19	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Atrazine	ND		730	160	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Benzaldehyde	ND	*+	730	45	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Benzo[a]pyrene	ND		73	32	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Benzo[b]fluoranthene	ND		73	18	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Carbazole	ND		73	17	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Chrysene	ND		73	40	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Di-n-octyl phthalate	ND	*+	360	210	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Fluoranthene	ND		73	19	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Fluorene	ND		73	14	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3

Date Collected: 07/17/23 15:35
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 88.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Isophorone	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Naphthalene	ND		73	14	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Phenanthrene	ND		73	20	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Phenol	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
Pyrene	ND		73	17	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/19/23 07:49*	*07/20/23 17:39*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/19/23 07:49*	*07/20/23 17:39*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/19/23 07:49*	*07/20/23 17:39*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*07/19/23 07:49*	*07/20/23 17:39*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/19/23 07:49*	*07/20/23 17:39*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*07/19/23 07:49*	*07/20/23 17:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/18/23 16:17*	*07/19/23 18:14*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/18/23 16:17*	*07/19/23 18:14*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/18/23 16:17*	*07/19/23 18:14*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S51
Lab Sample ID: 180-159407-3
Date Collected: 07/17/23 15:35
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/18/23 16:17*	*07/19/23 18:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		16	4.0	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Antimony	ND		0.80	0.24	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Arsenic	**6.8**		0.80	0.50	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Barium	**56**		16	2.8	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Beryllium	**0.47**		0.32	0.087	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Cadmium	**0.65**		0.40	0.058	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Calcium	**1300**		400	51	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Chromium	**13**		0.40	0.36	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Cobalt	**8.1**		4.0	0.56	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Copper	**22**		2.0	1.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Iron	**19000**		8.0	7.7	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Lead	**11**		0.80	0.69	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Magnesium	**2600**		400	44	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Manganese	**280**		1.2	0.22	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Nickel	**20**		3.2	0.40	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Potassium	**690**		400	68	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Selenium	ND		0.80	0.37	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Silver	ND		0.40	0.083	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Sodium	**42**	**J**	400	41	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Thallium	**0.24**	**J**	1.6	0.23	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Vanadium	**17**		4.0	0.63	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1
Zinc	**57**		1.6	1.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	07/19/23 08:00	07/20/23 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.4**		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	**88.6**		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 07:46	07/19/23 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/19/23 07:46*	*07/19/23 18:41*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*07/19/23 07:46*	*07/19/23 18:41*	*1*

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*07/19/23 07:46*	*07/19/23 18:41*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*07/19/23 07:46*	*07/19/23 18:41*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Acetophenone	ND		740	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Anthracene	ND		74	19	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Atrazine	ND		740	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Benzaldehyde	ND	*+	740	46	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Carbazole	ND		74	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Chrysene	ND		74	41	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Di-n-octyl phthalate	ND	*+	360	210	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Fluoranthene	ND		74	19	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Fluorene	ND		74	14	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4
Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Isophorone	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Naphthalene	ND		74	14	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Phenol	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
Pyrene	ND		74	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*07/19/23 07:49*	*07/20/23 18:01*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/19/23 07:49*	*07/20/23 18:01*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/19/23 07:49*	*07/20/23 18:01*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*07/19/23 07:49*	*07/20/23 18:01*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*07/19/23 07:49*	*07/20/23 18:01*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*07/19/23 07:49*	*07/20/23 18:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/18/23 16:17*	*07/19/23 18:32*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/18/23 16:17*	*07/19/23 18:32*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*07/18/23 16:17*	*07/19/23 18:32*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*07/18/23 16:17*	*07/19/23 18:32*	*1*

Client Sample ID: SSHS-ISMP-NAF-DUP14A
Lab Sample ID: 180-159407-4

Date Collected: 07/17/23 00:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		18	4.5	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Antimony	1.1		0.91	0.27	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Arsenic	10		0.91	0.57	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Barium	85		18	3.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Beryllium	0.53		0.36	0.099	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Cadmium	0.79		0.45	0.067	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Calcium	1900		450	59	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Chromium	14		0.45	0.41	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Cobalt	9.5		4.5	0.64	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Copper	20		2.3	1.4	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Iron	23000		9.1	8.8	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Lead	18		0.91	0.79	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Magnesium	2700		450	50	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Manganese	490		1.4	0.25	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Nickel	22		3.6	0.46	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Potassium	700		450	77	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Selenium	ND		0.91	0.42	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Silver	ND		0.45	0.094	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Sodium	ND		450	46	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Thallium	ND		1.8	0.26	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Vanadium	19		4.5	0.72	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1
Zinc	66		1.8	1.3	mg/Kg	☼	07/19/23 07:15	07/21/23 18:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/19/23 08:00	07/20/23 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.1		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	88.9		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5

Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5
Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/19/23 07:46	07/20/23 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*	*07/19/23 07:46*	*07/20/23 00:23*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*07/19/23 07:46*	*07/20/23 00:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*07/19/23 07:46*	*07/20/23 00:23*	*1*
Toluene-d8 (Surr)	*124*		*67 - 134*	*07/19/23 07:46*	*07/20/23 00:23*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5

Date Collected: 07/17/23 15:40
Matrix: Solid

Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Acetophenone	ND		750	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Anthracene	ND		75	19	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Atrazine	ND		750	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Benzaldehyde	ND	*+	750	46	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Bis(2-chloroethyl)ether	ND		75	13	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Carbazole	ND		75	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Chrysene	ND		75	41	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Di-n-octyl phthalate	ND	*+	370	220	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Fluorene	ND		75	15	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Isophorone	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5

Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Naphthalene	ND		75	14	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Phenol	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
Pyrene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*07/19/23 07:49*	*07/20/23 18:23*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*07/19/23 07:49*	*07/20/23 18:23*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*07/19/23 07:49*	*07/20/23 18:23*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*07/19/23 07:49*	*07/20/23 18:23*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/19/23 07:49*	*07/20/23 18:23*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*07/19/23 07:49*	*07/20/23 18:23*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/18/23 16:17	07/19/23 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/18/23 16:17*	*07/19/23 18:49*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*	*07/18/23 16:17*	*07/19/23 18:49*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/18/23 16:17*	*07/19/23 18:49*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/18/23 16:17*	*07/19/23 18:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		20	4.9	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Antimony	ND		0.99	0.30	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1

Client Sample ID: SSHS-ISMP-NAF-UT-S52
Lab Sample ID: 180-159407-5

Date Collected: 07/17/23 15:40
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		0.99	0.62	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Barium	73		20	3.5	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Beryllium	0.52		0.39	0.11	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Cadmium	0.73		0.49	0.072	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Calcium	5000		490	64	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Chromium	14		0.49	0.45	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Cobalt	9.5		4.9	0.69	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Copper	20		2.5	1.5	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Iron	22000		9.9	9.6	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Lead	12		0.99	0.86	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Magnesium	3000		490	54	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Manganese	380		1.5	0.27	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Nickel	22		3.9	0.50	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Potassium	920		490	84	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Selenium	ND		0.99	0.45	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Silver	ND		0.49	0.10	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Sodium	ND		490	50	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Thallium	0.35	J	2.0	0.28	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Vanadium	18		4.9	0.78	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1
Zinc	61		2.0	1.4	mg/Kg	☼	07/19/23 07:15	07/21/23 18:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	07/19/23 08:00	07/20/23 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.6		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	87.4		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6

Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/19/23 07:46	07/20/23 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/19/23 07:46*	*07/20/23 01:58*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/19/23 07:46*	*07/20/23 01:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*07/19/23 07:46*	*07/20/23 01:58*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*07/19/23 07:46*	*07/20/23 01:58*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		78	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Acetophenone	ND		780	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Anthracene	ND		78	20	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Atrazine	ND		780	170	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Benzaldehyde	ND	*+	780	48	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Butyl benzyl phthalate	ND		380	270	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Carbazole	ND		78	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Chrysene	ND		78	43	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Di-n-octyl phthalate	ND	*+	380	230	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Fluoranthene	ND		78	20	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Fluorene	ND		78	15	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Hexachlorocyclopentadiene	ND		380	40	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Hexachloroethane	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Isophorone	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6

Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		78	15	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Phenanthrene	ND		78	21	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Phenol	ND		380	120	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
Pyrene	ND		78	18	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/20/23 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*07/19/23 07:49*	*07/20/23 18:45*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/19/23 07:49*	*07/20/23 18:45*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*07/19/23 07:49*	*07/20/23 18:45*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*07/19/23 07:49*	*07/20/23 18:45*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/19/23 07:49*	*07/20/23 18:45*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*07/19/23 07:49*	*07/20/23 18:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1221	ND		19	6.9	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1242	ND		19	2.9	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1248	ND		19	4.7	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/18/23 16:17	07/19/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/18/23 16:17*	*07/19/23 19:07*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*	*07/18/23 16:17*	*07/19/23 19:07*	*1*
Tetrachloro-m-xylene (Surr)	*72*		*55 - 135*	*07/18/23 16:17*	*07/19/23 19:07*	*1*
Tetrachloro-m-xylene (Surr)	*73*		*55 - 135*	*07/18/23 16:17*	*07/19/23 19:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Antimony	ND		0.84	0.25	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Arsenic	**8.2**		0.84	0.53	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**42**		17	3.0	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Beryllium	**0.47**		0.34	0.092	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Cadmium	**0.66**		0.42	0.062	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Calcium	**650**		420	54	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Chromium	**13**		0.42	0.38	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Cobalt	**9.6**		4.2	0.59	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Copper	**16**		2.1	1.3	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Iron	**20000**		8.4	8.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Lead	**8.9**		0.84	0.73	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Magnesium	**2600**		420	46	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Manganese	**280**		1.3	0.23	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Nickel	**19**		3.4	0.42	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Potassium	**740**		420	71	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Selenium	ND		0.84	0.39	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Silver	ND		0.42	0.087	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Sodium	ND		420	43	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Vanadium	**19**		4.2	0.66	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1
Zinc	**54**		1.7	1.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	07/19/23 08:00	07/20/23 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.0**		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	**85.0**		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7
Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 89.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7
Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 89.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Toluene	ND		5.0	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2,3-Trichlorobenzene	ND		10	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*07/19/23 07:46*	*07/20/23 02:21*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/19/23 07:46*	*07/20/23 02:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*07/19/23 07:46*	*07/20/23 02:21*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*07/19/23 07:46*	*07/20/23 02:21*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7
Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 89.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		740	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Anthracene	ND		74	19	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Atrazine	ND		740	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Benzaldehyde	ND	*+	740	45	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Carbazole	ND		74	17	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Chrysene	ND		74	41	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Di-n-octyl phthalate	ND	*+	360	210	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Fluoranthene	ND		74	19	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Fluorene	ND		74	14	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Indeno[1,2,3-cd]pyrene	ND		74	36	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Isophorone	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Naphthalene	ND		74	14	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1

Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7

Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 89.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Phenol	ND		360	110	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
Pyrene	ND		74	17	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*07/19/23 07:49*	*07/19/23 18:33*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*07/19/23 07:49*	*07/19/23 18:33*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/19/23 07:49*	*07/19/23 18:33*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*07/19/23 07:49*	*07/19/23 18:33*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*07/19/23 07:49*	*07/19/23 18:33*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*07/19/23 07:49*	*07/19/23 18:33*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1248	ND		19	4.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:00*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:00*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:00*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		15	3.9	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Antimony	ND		0.77	0.23	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Arsenic	**8.3**		0.77	0.48	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Barium	**36**		15	2.7	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-S54
Lab Sample ID: 180-159407-7

Date Collected: 07/17/23 15:50
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 89.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.53**		0.31	0.084	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Cadmium	**0.72**		0.39	0.057	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Calcium	**780**		390	50	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Chromium	**12**		0.39	0.35	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Cobalt	**9.1**		3.9	0.54	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Copper	**22**		1.9	1.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Iron	**21000**		7.7	7.5	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Lead	**10**		0.77	0.67	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Magnesium	**2500**		390	42	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Manganese	**380**		1.2	0.21	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Nickel	**22**		3.1	0.39	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Potassium	**760**		390	66	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Selenium	ND		0.77	0.36	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Silver	ND		0.39	0.080	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Sodium	ND		390	40	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Thallium	ND		1.5	0.22	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Vanadium	**20**		3.9	0.61	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1
Zinc	**60**		1.5	1.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/19/23 08:00	07/20/23 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.1**		0.1	0.1	%			07/18/23 15:31	1
Percent Solids (SM22 2540G)	**89.9**		0.1	0.1	%			07/18/23 15:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8

Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 07:46	07/20/23 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/19/23 07:46*	*07/20/23 02:43*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/19/23 07:46*	*07/20/23 02:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*07/19/23 07:46*	*07/20/23 02:43*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/19/23 07:46*	*07/20/23 02:43*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Acetophenone	ND		750	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		75	19	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Atrazine	ND		750	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Benzaldehyde	ND	*+	750	47	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Benzo[b]fluoranthene	**20**	**J**	75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Carbazole	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Chrysene	ND		75	42	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Di-n-octyl phthalate	ND	*+	370	220	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Fluoranthene	**30**	**J**	75	20	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Fluorene	ND		75	15	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Isophorone	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Naphthalene	ND		75	15	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8

Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Phenol	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
Pyrene	**26**	**J**	75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/19/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*07/19/23 07:49*	*07/19/23 18:54*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*07/19/23 07:49*	*07/19/23 18:54*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:49*	*07/19/23 18:54*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*07/19/23 07:49*	*07/19/23 18:54*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*07/19/23 07:49*	*07/19/23 18:54*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*07/19/23 07:49*	*07/19/23 18:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:18*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:18*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:18*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		13	3.3	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Antimony	ND		0.65	0.20	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Arsenic	**11**		0.65	0.41	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Barium	**74**		13	2.3	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Beryllium	**0.46**		0.26	0.071	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-B14

Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.78		0.33	0.048	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Calcium	4400		330	42	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Chromium	13		0.33	0.30	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Cobalt	11		3.3	0.46	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Copper	16		1.6	0.99	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Iron	22000		6.5	6.4	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Lead	12		0.65	0.57	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Magnesium	3000		330	36	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Manganese	490		0.98	0.18	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Nickel	23		2.6	0.33	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Potassium	730		330	56	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Selenium	ND		0.65	0.30	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Silver	ND		0.33	0.068	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Sodium	43	J	330	33	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Thallium	ND		1.3	0.19	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Vanadium	17		3.3	0.52	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1
Zinc	55		1.3	0.95	mg/Kg	☼	07/19/23 07:15	07/21/23 18:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	07/19/23 08:00	07/20/23 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.1		0.1	0.1	%			07/18/23 15:56	1
Percent Solids (SM22 2540G)	88.9		0.1	0.1	%			07/18/23 15:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-B15

Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1

Client Sample ID: SSHS-ISMP-NAF-UT-B15
Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*07/19/23 07:46*	*07/20/23 03:06*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*07/19/23 07:46*	*07/20/23 03:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*07/19/23 07:46*	*07/20/23 03:06*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*07/19/23 07:46*	*07/20/23 03:06*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Acetophenone	ND		770	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Anthracene	ND		77	20	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B15
Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		770	170	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Benzaldehyde	ND	*+	770	47	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Benzo[a]anthracene	ND		77	34	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Benzo[g,h,i]perylene	ND		77	16	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Carbazole	ND		77	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2-Chloronaphthalene	ND		77	17	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Chrysene	ND		77	42	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Di-n-octyl phthalate	ND	*+	380	220	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Fluoranthene	ND		77	20	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Fluorene	ND		77	15	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Isophorone	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Naphthalene	ND		77	15	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B15
Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Phenanthrene	ND		77	20	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Phenol	ND		380	120	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
Pyrene	ND		77	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/19/23 07:49*	*07/19/23 19:16*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*07/19/23 07:49*	*07/19/23 19:16*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*07/19/23 07:49*	*07/19/23 19:16*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*07/19/23 07:49*	*07/19/23 19:16*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*07/19/23 07:49*	*07/19/23 19:16*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*07/19/23 07:49*	*07/19/23 19:16*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:35*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:35*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:35*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Antimony	ND		0.83	0.25	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Arsenic	**6.7**		0.83	0.52	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Barium	**49**		17	2.9	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Beryllium	**0.46**		0.33	0.090	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Cadmium	**0.64**		0.41	0.061	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1

Client Sample ID: SSHS-ISMP-NAF-UT-B15

Lab Sample ID: 180-159407-9
Date Collected: 07/17/23 16:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4200		410	53	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Chromium	13		0.41	0.38	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Cobalt	8.0		4.1	0.58	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Copper	14		2.1	1.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Iron	20000		8.3	8.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Lead	9.2		0.83	0.72	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Magnesium	2700		410	45	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Manganese	250		1.2	0.23	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Nickel	19		3.3	0.42	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Potassium	840		410	70	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Selenium	ND		0.83	0.38	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Silver	ND		0.41	0.086	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Sodium	46	J	410	42	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Thallium	ND		1.7	0.23	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Vanadium	17		4.1	0.65	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1
Zinc	53		1.7	1.2	mg/Kg	☼	07/19/23 07:15	07/21/23 18:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	07/19/23 08:00	07/20/23 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.6		0.1	0.1	%			07/18/23 15:56	1
Percent Solids (SM22 2540G)	86.4		0.1	0.1	%			07/18/23 15:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-B16

Lab Sample ID: 180-159407-10
Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B16
Lab Sample ID: 180-159407-10
Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/19/23 07:46	07/20/23 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*07/19/23 07:46*	*07/20/23 03:29*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*07/19/23 07:46*	*07/20/23 03:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*07/19/23 07:46*	*07/20/23 03:29*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/19/23 07:46*	*07/20/23 03:29*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Acetophenone	ND		750	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Anthracene	ND		75	19	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Atrazine	ND		750	160	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B16
Lab Sample ID: 180-159407-10
Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND	*+	750	47	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Benzo[a]pyrene	ND		75	33	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Carbazole	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Chrysene	ND		75	42	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Di-n-octyl phthalate	ND	*+	370	220	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Fluorene	ND		75	15	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Isophorone	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Naphthalene	ND		75	15	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-B16
Lab Sample ID: 180-159407-10

Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		750	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Phenol	ND		370	110	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
Pyrene	ND		75	18	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/19/23 07:49	07/19/23 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/19/23 07:49*	*07/19/23 19:38*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*07/19/23 07:49*	*07/19/23 19:38*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*07/19/23 07:49*	*07/19/23 19:38*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*07/19/23 07:49*	*07/19/23 19:38*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/19/23 07:49*	*07/19/23 19:38*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*07/19/23 07:49*	*07/19/23 19:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/18/23 16:17	07/19/23 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:53*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/18/23 16:17*	*07/19/23 20:53*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:53*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/18/23 16:17*	*07/19/23 20:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		15	3.6	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Antimony	**0.25**	**J**	0.73	0.22	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Arsenic	**9.6**		0.73	0.46	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Barium	**40**		15	2.6	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Beryllium	**0.51**		0.29	0.079	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Cadmium	**0.73**		0.36	0.053	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Calcium	**580**		360	47	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B16
Lab Sample ID: 180-159407-10
Date Collected: 07/17/23 16:05
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	12		0.36	0.33	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Cobalt	8.3		3.6	0.51	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Copper	23		1.8	1.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Iron	21000		7.3	7.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Lead	13		0.73	0.63	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Magnesium	2600		360	40	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Manganese	360		1.1	0.20	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Nickel	22		2.9	0.37	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Potassium	710		360	62	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Selenium	ND		0.73	0.33	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Silver	ND		0.36	0.076	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Sodium	ND		360	37	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Thallium	0.23	J	1.5	0.21	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Vanadium	19		3.6	0.57	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1
Zinc	57		1.5	1.1	mg/Kg	☼	07/19/23 07:15	07/21/23 18:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	07/19/23 08:00	07/20/23 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.8		0.1	0.1	%			07/18/23 15:03	1
Percent Solids (SM22 2540G)	87.2		0.1	0.1	%			07/18/23 15:03	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-440759/7
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/19/23 10:55	1
Benzene	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
Bromoform	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/19/23 10:55	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/19/23 10:55	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/19/23 10:55	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/19/23 10:55	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/19/23 10:55	1
Chloroform	ND		5.0	3.4	ug/Kg			07/19/23 10:55	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/19/23 10:55	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 10:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/19/23 10:55	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/19/23 10:55	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/19/23 10:55	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/19/23 10:55	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/19/23 10:55	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/19/23 10:55	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/19/23 10:55	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/19/23 10:55	1
2-Hexanone	ND		25	1.6	ug/Kg			07/19/23 10:55	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/19/23 10:55	1
Methyl acetate	ND		25	7.4	ug/Kg			07/19/23 10:55	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 10:55	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/19/23 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/19/23 10:55	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/19/23 10:55	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Styrene	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/19/23 10:55	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Toluene	ND		5.0	1.4	ug/Kg			07/19/23 10:55	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/19/23 10:55	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/19/23 10:55	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/19/23 10:55	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/19/23 10:55	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/19/23 10:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440759/7
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/19/23 10:55	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/19/23 10:55	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/19/23 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/19/23 10:55	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/19/23 10:55	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/19/23 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*		*07/19/23 10:55*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*		*07/19/23 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*		*07/19/23 10:55*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*		*07/19/23 10:55*	*1*

Lab Sample ID: LCS 180-440759/3
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	25.5		ug/Kg		64	23 - 170
Benzene	40.0	37.9		ug/Kg		95	77 - 120
Bromoform	40.0	26.8		ug/Kg		67	37 - 147
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149
2-Butanone (MEK)	40.0	24.9	J	ug/Kg		62	39 - 157
Carbon disulfide	40.0	38.4		ug/Kg		96	40 - 156
Carbon tetrachloride	40.0	34.6		ug/Kg		86	73 - 130
Chlorobenzene	40.0	34.4		ug/Kg		86	79 - 122
Chlorobromomethane	40.0	31.6		ug/Kg		79	64 - 128
Chlorodibromomethane	40.0	29.5		ug/Kg		74	60 - 134
Chloroethane	40.0	28.1		ug/Kg		70	37 - 159
Chloroform	40.0	37.0		ug/Kg		92	73 - 126
Chloromethane	40.0	47.8		ug/Kg		119	46 - 151
cis-1,2-Dichloroethene	40.0	35.8		ug/Kg		90	77 - 118
cis-1,3-Dichloropropene	40.0	31.7		ug/Kg		79	73 - 127
Cyclohexane	40.0	37.6		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.4		ug/Kg		64	30 - 163
1,2-Dibromoethane	40.0	32.3		ug/Kg		81	59 - 137
1,2-Dichlorobenzene	40.0	34.8		ug/Kg		87	76 - 120
1,3-Dichlorobenzene	40.0	36.2		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120
Dichlorobromomethane	40.0	33.8		ug/Kg		84	75 - 123
Dichlorodifluoromethane	40.0	41.5		ug/Kg		104	26 - 149
1,1-Dichloroethane	40.0	37.0		ug/Kg		93	73 - 124
1,2-Dichloroethane	40.0	31.8		ug/Kg		79	64 - 140
1,1-Dichloroethene	40.0	38.4		ug/Kg		96	55 - 136
1,2-Dichloroethene, Total	80.0	73.9		ug/Kg		92	77 - 119
1,2-Dichloropropane	40.0	35.9		ug/Kg		90	77 - 119
1,4-Dioxane	800	633	J	ug/Kg		79	18 - 166
Ethylbenzene	40.0	36.4		ug/Kg		91	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440759/3
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	22.8	J	ug/Kg		57	42 - 152
Isopropylbenzene	40.0	37.4		ug/Kg		93	70 - 125
Methyl acetate	80.0	72.9		ug/Kg		91	20 - 170
Methylcyclohexane	40.0	36.4		ug/Kg		91	70 - 125
Methylene Chloride	40.0	41.1		ug/Kg		103	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	27.1		ug/Kg		68	51 - 147
Methyl tert-butyl ether	40.0	30.9		ug/Kg		77	58 - 132
m-Xylene & p-Xylene	40.0	35.5		ug/Kg		89	77 - 120
o-Xylene	40.0	34.8		ug/Kg		87	78 - 118
Styrene	40.0	35.2		ug/Kg		88	80 - 120
1,1,2,2-Tetrachloroethane	40.0	30.9		ug/Kg		77	36 - 170
Tetrachloroethene	40.0	35.7		ug/Kg		89	71 - 121
Toluene	40.0	36.7		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	75 - 122
trans-1,3-Dichloropropene	40.0	32.0		ug/Kg		80	68 - 133
1,2,3-Trichlorobenzene	40.0	33.6		ug/Kg		84	29 - 166
1,2,4-Trichlorobenzene	40.0	34.7		ug/Kg		87	22 - 170
1,1,1-Trichloroethane	40.0	36.9		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	31.9		ug/Kg		80	66 - 128
Trichloroethene	40.0	34.5		ug/Kg		86	69 - 118
Trichlorofluoromethane	40.0	27.5		ug/Kg		69	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.0		ug/Kg		90	59 - 135
Vinyl chloride	40.0	43.1		ug/Kg		108	64 - 134
Xylenes, Total	80.0	70.3		ug/Kg		88	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*117*		*67 - 134*

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	43.4	*1	ug/Kg		108	23 - 170	52	35
Benzene	40.0	41.4		ug/Kg		103	77 - 120	9	20
Bromoform	40.0	29.5		ug/Kg		74	37 - 147	10	23
Bromomethane	40.0	35.9		ug/Kg		90	47 - 149	2	25
2-Butanone (MEK)	40.0	30.4		ug/Kg		76	39 - 157	20	33
Carbon disulfide	40.0	42.4		ug/Kg		106	40 - 156	10	25
Carbon tetrachloride	40.0	37.1		ug/Kg		93	73 - 130	7	21
Chlorobenzene	40.0	36.7		ug/Kg		92	79 - 122	7	20
Chlorobromomethane	40.0	36.5		ug/Kg		91	64 - 128	14	20
Chlorodibromomethane	40.0	32.9		ug/Kg		82	60 - 134	11	40
Chloroethane	40.0	28.8		ug/Kg		72	37 - 159	3	25
Chloroform	40.0	40.2		ug/Kg		101	73 - 126	8	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	50.7		ug/Kg		127	46 - 151	6	33
cis-1,2-Dichloroethene			40.0	40.1		ug/Kg		100	77 - 118	11	20
cis-1,3-Dichloropropene			40.0	36.4		ug/Kg		91	73 - 127	14	20
Cyclohexane			40.0	40.3		ug/Kg		101	63 - 143	7	25
1,2-Dibromo-3-Chloropropane			40.0	31.0		ug/Kg		77	30 - 163	20	34
1,2-Dibromoethane			40.0	35.2		ug/Kg		88	59 - 137	8	20
1,2-Dichlorobenzene			40.0	37.3		ug/Kg		93	76 - 120	7	20
1,3-Dichlorobenzene			40.0	38.4		ug/Kg		96	77 - 121	6	20
1,4-Dichlorobenzene			40.0	38.4		ug/Kg		96	79 - 120	8	20
Dichlorobromomethane			40.0	38.3		ug/Kg		96	75 - 123	13	20
Dichlorodifluoromethane			40.0	43.6		ug/Kg		109	26 - 149	5	24
1,1-Dichloroethane			40.0	40.9		ug/Kg		102	73 - 124	10	20
1,2-Dichloroethane			40.0	36.4		ug/Kg		91	64 - 140	14	20
1,1-Dichloroethene			40.0	41.8		ug/Kg		105	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	81.0		ug/Kg		101	77 - 119	9	20
1,2-Dichloropropane			40.0	39.9		ug/Kg		100	77 - 119	11	20
1,4-Dioxane			800	846	J	ug/Kg		106	18 - 166	29	40
Ethylbenzene			40.0	38.0		ug/Kg		95	79 - 119	4	20
2-Hexanone			40.0	30.0		ug/Kg		75	42 - 152	27	30
Isopropylbenzene			40.0	39.3		ug/Kg		98	70 - 125	5	21
Methyl acetate			80.0	85.8		ug/Kg		107	20 - 170	16	33
Methylcyclohexane			40.0	39.3		ug/Kg		98	70 - 125	8	22
Methylene Chloride			40.0	45.6		ug/Kg		114	67 - 131	10	32
4-Methyl-2-pentanone (MIBK)			40.0	31.2		ug/Kg		78	51 - 147	14	27
Methyl tert-butyl ether			40.0	36.7		ug/Kg		92	58 - 132	17	24
m-Xylene & p-Xylene			40.0	37.6		ug/Kg		94	77 - 120	6	20
o-Xylene			40.0	37.0		ug/Kg		92	78 - 118	6	20
Styrene			40.0	37.7		ug/Kg		94	80 - 120	7	20
1,1,2,2-Tetrachloroethane			40.0	34.3		ug/Kg		86	36 - 170	10	23
Tetrachloroethene			40.0	37.4		ug/Kg		93	71 - 121	5	21
Toluene			40.0	38.2		ug/Kg		95	76 - 120	4	20
trans-1,2-Dichloroethene			40.0	41.0		ug/Kg		102	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	35.8		ug/Kg		89	68 - 133	11	20
1,2,3-Trichlorobenzene			40.0	37.5		ug/Kg		94	29 - 166	11	40
1,2,4-Trichlorobenzene			40.0	36.9		ug/Kg		92	22 - 170	6	29
1,1,1-Trichloroethane			40.0	39.4		ug/Kg		99	72 - 134	7	20
1,1,2-Trichloroethane			40.0	36.2		ug/Kg		91	66 - 128	13	21
Trichloroethene			40.0	38.5		ug/Kg		96	69 - 118	11	20
Trichlorofluoromethane			40.0	47.6		ug/Kg		119	32 - 149	54	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	38.4		ug/Kg		96	59 - 135	6	28
Vinyl chloride			40.0	46.5		ug/Kg		116	64 - 134	8	23
Xylenes, Total			80.0	74.6		ug/Kg		93	78 - 118	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440759/4
Matrix: Solid
Analysis Batch: 440759

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*115*		*67 - 134*

Lab Sample ID: MB 180-440837/7
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/19/23 23:35	1
Benzene	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
Bromoform	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/19/23 23:35	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/19/23 23:35	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/19/23 23:35	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/19/23 23:35	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/19/23 23:35	1
Chloroform	ND		5.0	3.4	ug/Kg			07/19/23 23:35	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/19/23 23:35	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 23:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/19/23 23:35	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/19/23 23:35	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/19/23 23:35	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/19/23 23:35	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/19/23 23:35	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/19/23 23:35	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/19/23 23:35	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/19/23 23:35	1
2-Hexanone	ND		25	1.6	ug/Kg			07/19/23 23:35	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/19/23 23:35	1
Methyl acetate	ND		25	7.4	ug/Kg			07/19/23 23:35	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 23:35	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/19/23 23:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/19/23 23:35	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/19/23 23:35	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Styrene	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440837/7
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Toluene	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/19/23 23:35	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/19/23 23:35	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/19/23 23:35	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/19/23 23:35	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/19/23 23:35	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/19/23 23:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/19/23 23:35	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/19/23 23:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*		*07/19/23 23:35*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*		*07/19/23 23:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*		*07/19/23 23:35*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*		*07/19/23 23:35*	*1*

Lab Sample ID: LCS 180-440837/3
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	31.9		ug/Kg		80	23 - 170
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	31.9		ug/Kg		80	37 - 147
Bromomethane	40.0	38.6		ug/Kg		96	47 - 149
2-Butanone (MEK)	40.0	28.2		ug/Kg		71	39 - 157
Carbon disulfide	40.0	37.5		ug/Kg		94	40 - 156
Carbon tetrachloride	40.0	35.0		ug/Kg		88	73 - 130
Chlorobenzene	40.0	36.1		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	36.3		ug/Kg		91	64 - 128
Chlorodibromomethane	40.0	34.8		ug/Kg		87	60 - 134
Chloroethane	40.0	30.8		ug/Kg		77	37 - 159
Chloroform	40.0	39.1		ug/Kg		98	73 - 126
Chloromethane	40.0	48.0		ug/Kg		120	46 - 151
cis-1,2-Dichloroethene	40.0	37.9		ug/Kg		95	77 - 118
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127
Cyclohexane	40.0	35.9		ug/Kg		90	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	34.6		ug/Kg		87	30 - 163
1,2-Dibromoethane	40.0	37.9		ug/Kg		95	59 - 137
1,2-Dichlorobenzene	40.0	36.3		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	35.5		ug/Kg		89	77 - 121
1,4-Dichlorobenzene	40.0	35.3		ug/Kg		88	79 - 120
Dichlorobromomethane	40.0	38.6		ug/Kg		97	75 - 123
Dichlorodifluoromethane	40.0	41.7		ug/Kg		104	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440837/3
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	73 - 124
1,2-Dichloroethane	40.0	39.0		ug/Kg		97	64 - 140
1,1-Dichloroethene	40.0	37.1		ug/Kg		93	55 - 136
1,2-Dichloroethene, Total	80.0	76.4		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	39.2		ug/Kg		98	77 - 119
1,4-Dioxane	800	537	J	ug/Kg		67	18 - 166
Ethylbenzene	40.0	36.5		ug/Kg		91	79 - 119
2-Hexanone	40.0	31.9		ug/Kg		80	42 - 152
Isopropylbenzene	40.0	37.0		ug/Kg		92	70 - 125
Methyl acetate	80.0	99.6		ug/Kg		125	20 - 170
Methylcyclohexane	40.0	34.6		ug/Kg		87	70 - 125
Methylene Chloride	40.0	41.4		ug/Kg		104	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.7		ug/Kg		87	51 - 147
Methyl tert-butyl ether	40.0	37.4		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	35.5		ug/Kg		89	77 - 120
o-Xylene	40.0	35.5		ug/Kg		89	78 - 118
Styrene	40.0	37.4		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	40.0	39.5		ug/Kg		99	36 - 170
Tetrachloroethene	40.0	34.2		ug/Kg		86	71 - 121
Toluene	40.0	37.3		ug/Kg		93	76 - 120
trans-1,2-Dichloroethene	40.0	38.4		ug/Kg		96	75 - 122
trans-1,3-Dichloropropene	40.0	37.2		ug/Kg		93	68 - 133
1,2,3-Trichlorobenzene	40.0	37.0		ug/Kg		92	29 - 166
1,2,4-Trichlorobenzene	40.0	34.2		ug/Kg		86	22 - 170
1,1,1-Trichloroethane	40.0	37.1		ug/Kg		93	72 - 134
1,1,2-Trichloroethane	40.0	39.8		ug/Kg		100	66 - 128
Trichloroethene	40.0	34.8		ug/Kg		87	69 - 118
Trichlorofluoromethane	40.0	41.2		ug/Kg		103	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.8		ug/Kg		92	59 - 135
Vinyl chloride	40.0	42.5		ug/Kg		106	64 - 134
Xylenes, Total	80.0	71.0		ug/Kg		89	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*
Toluene-d8 (Surr)	*96*		*67 - 134*

Lab Sample ID: LCSD 180-440837/4
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	35.0		ug/Kg		88	23 - 170	9	35
Benzene	40.0	38.0		ug/Kg		95	77 - 120	4	20
Bromoform	40.0	30.6		ug/Kg		77	37 - 147	4	23
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149	9	25
2-Butanone (MEK)	40.0	36.0		ug/Kg		90	39 - 157	24	33

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440837/4
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide			40.0	36.4		ug/Kg		91	40 - 156	3	25
Carbon tetrachloride			40.0	33.6		ug/Kg		84	73 - 130	4	21
Chlorobenzene			40.0	34.1		ug/Kg		85	79 - 122	6	20
Chlorobromomethane			40.0	34.5		ug/Kg		86	64 - 128	5	20
Chlorodibromomethane			40.0	33.5		ug/Kg		84	60 - 134	4	40
Chloroethane			40.0	27.7		ug/Kg		69	37 - 159	11	25
Chloroform			40.0	37.7		ug/Kg		94	73 - 126	4	20
Chloromethane			40.0	44.5		ug/Kg		111	46 - 151	8	33
cis-1,2-Dichloroethene			40.0	35.8		ug/Kg		89	77 - 118	6	20
cis-1,3-Dichloropropene			40.0	34.2		ug/Kg		85	73 - 127	4	20
Cyclohexane			40.0	33.9		ug/Kg		85	63 - 143	6	25
1,2-Dibromo-3-Chloropropane			40.0	33.2		ug/Kg		83	30 - 163	4	34
1,2-Dibromoethane			40.0	35.6		ug/Kg		89	59 - 137	6	20
1,2-Dichlorobenzene			40.0	35.6		ug/Kg		89	76 - 120	2	20
1,3-Dichlorobenzene			40.0	34.9		ug/Kg		87	77 - 121	2	20
1,4-Dichlorobenzene			40.0	34.8		ug/Kg		87	79 - 120	2	20
Dichlorobromomethane			40.0	36.7		ug/Kg		92	75 - 123	5	20
Dichlorodifluoromethane			40.0	41.0		ug/Kg		102	26 - 149	2	24
1,1-Dichloroethane			40.0	36.8		ug/Kg		92	73 - 124	6	20
1,2-Dichloroethane			40.0	37.2		ug/Kg		93	64 - 140	5	20
1,1-Dichloroethene			40.0	36.0		ug/Kg		90	55 - 136	3	21
1,2-Dichloroethene, Total			80.0	71.7		ug/Kg		90	77 - 119	6	20
1,2-Dichloropropane			40.0	37.6		ug/Kg		94	77 - 119	4	20
1,4-Dioxane			800	573	J	ug/Kg		72	18 - 166	6	40
Ethylbenzene			40.0	34.4		ug/Kg		86	79 - 119	6	20
2-Hexanone			40.0	31.4		ug/Kg		79	42 - 152	1	30
Isopropylbenzene			40.0	35.0		ug/Kg		88	70 - 125	5	21
Methyl acetate			80.0	98.0		ug/Kg		123	20 - 170	2	33
Methylcyclohexane			40.0	32.9		ug/Kg		82	70 - 125	5	22
Methylene Chloride			40.0	39.4		ug/Kg		99	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)			40.0	33.6		ug/Kg		84	51 - 147	3	27
Methyl tert-butyl ether			40.0	36.1		ug/Kg		90	58 - 132	4	24
m-Xylene & p-Xylene			40.0	34.1		ug/Kg		85	77 - 120	4	20
o-Xylene			40.0	33.1		ug/Kg		83	78 - 118	7	20
Styrene			40.0	35.7		ug/Kg		89	80 - 120	5	20
1,1,2,2-Tetrachloroethane			40.0	36.4		ug/Kg		91	36 - 170	8	23
Tetrachloroethene			40.0	32.3		ug/Kg		81	71 - 121	6	21
Toluene			40.0	36.0		ug/Kg		90	76 - 120	4	20
trans-1,2-Dichloroethene			40.0	35.9		ug/Kg		90	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	35.4		ug/Kg		88	68 - 133	5	20
1,2,3-Trichlorobenzene			40.0	36.0		ug/Kg		90	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	34.6		ug/Kg		87	22 - 170	1	29
1,1,1-Trichloroethane			40.0	34.9		ug/Kg		87	72 - 134	6	20
1,1,2-Trichloroethane			40.0	37.4		ug/Kg		94	66 - 128	6	21
Trichloroethene			40.0	33.8		ug/Kg		84	69 - 118	3	20
Trichlorofluoromethane			40.0	36.8		ug/Kg		92	32 - 149	11	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	35.1		ug/Kg		88	59 - 135	5	28
Vinyl chloride			40.0	39.5		ug/Kg		99	64 - 134	8	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440837/4
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			80.0	67.2		ug/Kg		84	78 - 118	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440758/1-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Acenaphthylene	ND		67	15	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Acetophenone	ND		670	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Anthracene	ND		67	17	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Atrazine	ND		670	150	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Benzaldehyde	ND		670	41	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Caprolactam	ND		1700	220	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Carbazole	ND		67	16	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4-Chloroaniline	ND		330	88	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2-Chlorophenol	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Chrysene	ND		67	37	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Dibenzofuran	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Diethyl phthalate	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/19/23 07:49	07/19/23 14:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440758/1-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
1,4-Dioxane	ND		670	100	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Fluoranthene	ND		67	18	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Fluorene	ND		67	13	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Hexachloroethane	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Isophorone	ND		330	130	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2-Methylphenol	ND		330	96	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Naphthalene	ND		67	13	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Nitrobenzene	ND		670	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2-Nitrophenol	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Phenanthrene	ND		67	18	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Phenol	ND		330	100	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
Pyrene	ND		67	16	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/19/23 07:49	07/19/23 14:16	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/19/23 07:49	07/19/23 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/19/23 07:49*	*07/19/23 14:16*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*07/19/23 07:49*	*07/19/23 14:16*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*07/19/23 07:49*	*07/19/23 14:16*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*07/19/23 07:49*	*07/19/23 14:16*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*07/19/23 07:49*	*07/19/23 14:16*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*07/19/23 07:49*	*07/19/23 14:16*	*1*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440758/2-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4810		ug/Kg		72	50 - 100
Acenaphthylene	6670	5680		ug/Kg		85	52 - 100
Acetophenone	6670	4930		ug/Kg		74	48 - 100
Anthracene	6670	5030		ug/Kg		75	53 - 100
Atrazine	6670	4650		ug/Kg		70	49 - 103
Benzaldehyde	6670	6680		ug/Kg		100	23 - 105
Benzo[a]anthracene	6670	5170		ug/Kg		77	51 - 100
Benzo[a]pyrene	6670	5630		ug/Kg		85	51 - 100
Benzo[b]fluoranthene	6670	4850		ug/Kg		73	48 - 100
Benzo[g,h,i]perylene	6670	4500		ug/Kg		68	48 - 105
Benzo[k]fluoranthene	6670	5040		ug/Kg		76	19 - 100
1,1'-Biphenyl	6670	5150		ug/Kg		77	50 - 100
Bis(2-chloroethoxy)methane	6670	5260		ug/Kg		79	49 - 100
Bis(2-chloroethyl)ether	6670	5400		ug/Kg		81	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6820		ug/Kg		102	53 - 107
4-Bromophenyl phenyl ether	6670	4970		ug/Kg		75	52 - 101
Butyl benzyl phthalate	6670	6860		ug/Kg		103	52 - 107
Caprolactam	6670	4190		ug/Kg		63	48 - 111
Carbazole	6670	4770		ug/Kg		72	53 - 100
4-Chloroaniline	6670	4630		ug/Kg		69	47 - 100
4-Chloro-3-methylphenol	6670	4930		ug/Kg		74	49 - 106
2-Chloronaphthalene	6670	5240		ug/Kg		79	51 - 100
2-Chlorophenol	6670	5240		ug/Kg		79	51 - 100
4-Chlorophenyl phenyl ether	6670	4250		ug/Kg		64	52 - 100
Chrysene	6670	4840		ug/Kg		73	50 - 100
Dibenz(a,h)anthracene	6670	4680		ug/Kg		70	50 - 107
Dibenzofuran	6670	4540		ug/Kg		68	52 - 100
3,3'-Dichlorobenzidine	6670	4500		ug/Kg		68	43 - 100
2,4-Dichlorophenol	6670	4820		ug/Kg		72	53 - 101
Diethyl phthalate	6670	4840		ug/Kg		73	48 - 104
2,4-Dimethylphenol	6670	4400		ug/Kg		66	51 - 101
Dimethyl phthalate	6670	4870		ug/Kg		73	53 - 100
Di-n-butyl phthalate	6670	5270		ug/Kg		79	57 - 102
4,6-Dinitro-2-methylphenol	13300	9090		ug/Kg		68	51 - 100
2,4-Dinitrophenol	13300	7940		ug/Kg		60	33 - 101
2,4-Dinitrotoluene	6670	4550		ug/Kg		68	54 - 104
2,6-Dinitrotoluene	6670	4790		ug/Kg		72	51 - 106
Di-n-octyl phthalate	6670	8350	*+	ug/Kg		125	41 - 106
1,4-Dioxane	6670	5910		ug/Kg		89	25 - 125
Fluoranthene	6670	4410		ug/Kg		66	55 - 100
Fluorene	6670	4520		ug/Kg		68	52 - 100
Hexachlorobenzene	6670	4400		ug/Kg		66	49 - 100
Hexachlorobutadiene	6670	3980		ug/Kg		60	38 - 107
Hexachlorocyclopentadiene	6670	3560		ug/Kg		53	33 - 117
Hexachloroethane	6670	5200		ug/Kg		78	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4750		ug/Kg		71	51 - 103
Isophorone	6670	5830		ug/Kg		87	48 - 105
2-Methylnaphthalene	6670	4640		ug/Kg		70	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440758/2-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	6670	4850		ug/Kg		73	50 - 101
Methylphenol, 3 & 4	6670	4810		ug/Kg		72	50 - 103
Naphthalene	6670	4940		ug/Kg		74	51 - 100
2-Nitroaniline	6670	6620		ug/Kg		99	42 - 123
3-Nitroaniline	6670	4970		ug/Kg		74	50 - 103
4-Nitroaniline	6670	4740		ug/Kg		71	52 - 103
Nitrobenzene	6670	5790		ug/Kg		87	44 - 108
2-Nitrophenol	6670	5660		ug/Kg		85	55 - 107
4-Nitrophenol	13300	10100		ug/Kg		76	30 - 134
N-Nitrosodi-n-propylamine	6670	5350		ug/Kg		80	45 - 107
N-Nitrosodiphenylamine	6670	5640		ug/Kg		85	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5860		ug/Kg		88	30 - 113
Pentachlorophenol	13300	9230		ug/Kg		69	42 - 110
Phenanthrene	6670	4740		ug/Kg		71	53 - 100
Phenol	6670	5010		ug/Kg		75	49 - 100
Pyrene	6670	6020		ug/Kg		90	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4590		ug/Kg		69	41 - 104
2,3,4,6-Tetrachlorophenol	6670	3980		ug/Kg		60	47 - 104
2,4,5-Trichlorophenol	6670	4960		ug/Kg		74	50 - 104
2,4,6-Trichlorophenol	6670	5390		ug/Kg		81	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*44 - 105*
2-Fluorophenol (Surr)	*79*		*48 - 105*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*
Phenol-d5 (Surr)	*77*		*46 - 105*
Terphenyl-d14 (Surr)	*75*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Lab Sample ID: LCSD 180-440758/3-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	6670	5040		ug/Kg		76	50 - 100	5	20
Acenaphthylene	6670	6100		ug/Kg		91	52 - 100	7	20
Acetophenone	6670	5270		ug/Kg		79	48 - 100	7	17
Anthracene	6670	5400		ug/Kg		81	53 - 100	7	20
Atrazine	6670	4950		ug/Kg		74	49 - 103	6	19
Benzaldehyde	6670	7110	*+	ug/Kg		107	23 - 105	6	31
Benzo[a]anthracene	6670	5440		ug/Kg		82	51 - 100	5	21
Benzo[a]pyrene	6670	5980		ug/Kg		90	51 - 100	6	20
Benzo[b]fluoranthene	6670	5070		ug/Kg		76	48 - 100	5	20
Benzo[g,h,i]perylene	6670	5060		ug/Kg		76	48 - 105	12	19
Benzo[k]fluoranthene	6670	5440		ug/Kg		82	19 - 100	8	20
1,1'-Biphenyl	6670	5560		ug/Kg		83	50 - 100	8	19
Bis(2-chloroethoxy)methane	6670	5630		ug/Kg		84	49 - 100	7	20
Bis(2-chloroethyl)ether	6670	5900		ug/Kg		89	48 - 100	9	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-440758/3-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440758

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	6670	7060		ug/Kg		106	53 - 107	3	20
4-Bromophenyl phenyl ether	6670	5130		ug/Kg		77	52 - 101	3	20
Butyl benzyl phthalate	6670	7040		ug/Kg		106	52 - 107	3	19
Caprolactam	6670	4620		ug/Kg		69	48 - 111	10	23
Carbazole	6670	5230		ug/Kg		78	53 - 100	9	20
4-Chloroaniline	6670	4990		ug/Kg		75	47 - 100	8	20
4-Chloro-3-methylphenol	6670	4990		ug/Kg		75	49 - 106	1	20
2-Chloronaphthalene	6670	5630		ug/Kg		85	51 - 100	7	20
2-Chlorophenol	6670	5750		ug/Kg		86	51 - 100	9	17
4-Chlorophenyl phenyl ether	6670	4580		ug/Kg		69	52 - 100	7	19
Chrysene	6670	5120		ug/Kg		77	50 - 100	6	20
Dibenz(a,h)anthracene	6670	5140		ug/Kg		77	50 - 107	9	21
Dibenzofuran	6670	4850		ug/Kg		73	52 - 100	7	19
3,3'-Dichlorobenzidine	6670	4800		ug/Kg		72	43 - 100	6	19
2,4-Dichlorophenol	6670	5050		ug/Kg		76	53 - 101	5	22
Diethyl phthalate	6670	5370		ug/Kg		81	48 - 104	10	20
2,4-Dimethylphenol	6670	4600		ug/Kg		69	51 - 101	4	32
Dimethyl phthalate	6670	5250		ug/Kg		79	53 - 100	7	21
Di-n-butyl phthalate	6670	5810		ug/Kg		87	57 - 102	10	20
4,6-Dinitro-2-methylphenol	13300	9790		ug/Kg		73	51 - 100	7	22
2,4-Dinitrophenol	13300	8840		ug/Kg		66	33 - 101	11	20
2,4-Dinitrotoluene	6670	4900		ug/Kg		74	54 - 104	7	20
2,6-Dinitrotoluene	6670	5090		ug/Kg		76	51 - 106	6	20
Di-n-octyl phthalate	6670	8540	*+	ug/Kg		128	41 - 106	2	18
1,4-Dioxane	6670	6320		ug/Kg		95	25 - 125	7	17
Fluoranthene	6670	4810		ug/Kg		72	55 - 100	9	20
Fluorene	6670	4850		ug/Kg		73	52 - 100	7	19
Hexachlorobenzene	6670	4510		ug/Kg		68	49 - 100	2	20
Hexachlorobutadiene	6670	4280		ug/Kg		64	38 - 107	7	22
Hexachlorocyclopentadiene	6670	3770		ug/Kg		56	33 - 117	5	19
Hexachloroethane	6670	5690		ug/Kg		85	47 - 100	9	17
Indeno[1,2,3-cd]pyrene	6670	5200		ug/Kg		78	51 - 103	9	19
Isophorone	6670	6170		ug/Kg		93	48 - 105	6	20
2-Methylnaphthalene	6670	4950		ug/Kg		74	53 - 100	6	21
2-Methylphenol	6670	5480		ug/Kg		82	50 - 101	12	17
Methylphenol, 3 & 4	6670	5460		ug/Kg		82	50 - 103	13	19
Naphthalene	6670	5270		ug/Kg		79	51 - 100	6	20
2-Nitroaniline	6670	7190		ug/Kg		108	42 - 123	8	19
3-Nitroaniline	6670	5460		ug/Kg		82	50 - 103	9	20
4-Nitroaniline	6670	5270		ug/Kg		79	52 - 103	10	18
Nitrobenzene	6670	6270		ug/Kg		94	44 - 108	8	21
2-Nitrophenol	6670	6010		ug/Kg		90	55 - 107	6	19
4-Nitrophenol	13300	11600		ug/Kg		87	30 - 134	14	18
N-Nitrosodi-n-propylamine	6670	5860		ug/Kg		88	45 - 107	9	18
N-Nitrosodiphenylamine	6670	5810		ug/Kg		87	52 - 100	3	20
2,2'-oxybis[1-chloropropane]	6670	6400		ug/Kg		96	30 - 113	9	17
Pentachlorophenol	13300	9700		ug/Kg		73	42 - 110	5	20
Phenanthrene	6670	5050		ug/Kg		76	53 - 100	6	20
Phenol	6670	5500		ug/Kg		83	49 - 100	9	16

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-440758/3-A
Matrix: Solid
Analysis Batch: 440807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440758

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			6670	5990		ug/Kg		90	52 - 100	0	20
1,2,4,5-Tetrachlorobenzene			6670	4790		ug/Kg		72	41 - 104	4	21
2,3,4,6-Tetrachlorophenol			6670	4280		ug/Kg		64	47 - 104	7	18
2,4,5-Trichlorophenol			6670	5300		ug/Kg		80	50 - 104	7	21
2,4,6-Trichlorophenol			6670	5710		ug/Kg		86	50 - 105	6	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 105*
2-Fluorophenol (Surr)	*85*		*48 - 105*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*
Phenol-d5 (Surr)	*83*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440711/1-C
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1221	ND		17	5.9	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1232	ND		17	4.1	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1242	ND		17	2.4	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1248	ND		17	4.0	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1254	ND		17	5.0	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1260	ND		17	4.7	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1262	ND		17	5.9	ug/Kg		07/18/23 16:17	07/19/23 16:46	1
PCB-1268	ND		17	2.2	ug/Kg		07/18/23 16:17	07/19/23 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/18/23 16:17*	*07/19/23 16:46*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*07/18/23 16:17*	*07/19/23 16:46*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/18/23 16:17*	*07/19/23 16:46*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/18/23 16:17*	*07/19/23 16:46*	*1*

Lab Sample ID: LCS 180-440711/2-C
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440711

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016			1330	1240		ug/Kg		93	43 - 136
PCB-1260			1330	1230		ug/Kg		92	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-440711/2-C
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440711

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*

Lab Sample ID: LCSD 180-440711/3-C
Matrix: Solid
Analysis Batch: 440736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 440711

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1210		ug/Kg		91	43 - 136	3	40
PCB-1260			1330	1200		ug/Kg		90	55 - 128	2	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440680/1-A
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		18	4.5	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Antimony	ND		0.89	0.27	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Arsenic	ND		0.89	0.56	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Barium	ND		18	3.2	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Beryllium	ND		0.36	0.097	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Cadmium	ND		0.45	0.066	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Calcium	ND		450	58	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Chromium	ND		0.45	0.41	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Cobalt	ND		4.5	0.63	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Copper	ND		2.2	1.3	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Iron	ND		8.9	8.7	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Lead	ND		0.89	0.78	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Magnesium	ND		450	49	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Manganese	ND		1.3	0.25	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Nickel	ND		3.6	0.45	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Potassium	ND		450	76	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Selenium	ND		0.89	0.41	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Silver	ND		0.45	0.093	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Sodium	ND		450	46	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Thallium	ND		1.8	0.25	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Vanadium	ND		4.5	0.71	mg/Kg		07/19/23 07:15	07/21/23 17:27	1
Zinc	ND		1.8	1.3	mg/Kg		07/19/23 07:15	07/21/23 17:27	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-440680/2-A
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	490	493		mg/Kg		101	80 - 120
Antimony	24.5	24.6		mg/Kg		101	80 - 120
Arsenic	98.0	101		mg/Kg		103	80 - 120
Barium	98.0	98.0		mg/Kg		100	80 - 120
Beryllium	49.0	48.7		mg/Kg		99	80 - 120
Cadmium	49.0	48.4		mg/Kg		99	80 - 120
Calcium	2450	2450		mg/Kg		100	80 - 120
Chromium	49.0	49.4		mg/Kg		101	80 - 120
Cobalt	49.0	48.7		mg/Kg		99	80 - 120
Copper	49.0	50.5		mg/Kg		103	80 - 120
Iron	490	490		mg/Kg		100	80 - 120
Lead	49.0	49.0		mg/Kg		100	80 - 120
Magnesium	2450	2370		mg/Kg		97	80 - 120
Manganese	49.0	47.9		mg/Kg		98	80 - 120
Nickel	49.0	49.4		mg/Kg		101	80 - 120
Potassium	2450	2470		mg/Kg		101	80 - 120
Selenium	98.0	101		mg/Kg		103	80 - 120
Silver	24.5	24.6		mg/Kg		100	80 - 120
Sodium	2450	2660		mg/Kg		108	80 - 120
Thallium	98.0	97.0		mg/Kg		99	80 - 120
Vanadium	49.0	48.9		mg/Kg		100	80 - 120
Zinc	24.5	25.4		mg/Kg		104	80 - 120

Lab Sample ID: 180-159407-1 MS
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Prep Type: Total/NA
Prep Batch: 440680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	12000		476	11900	4	mg/Kg	☼	-72	75 - 125
Antimony	ND	F1	23.8	7.77	F1	mg/Kg	☼	33	75 - 125
Arsenic	14		95.1	105		mg/Kg	☼	96	75 - 125
Barium	100	F1	95.1	174	F1	mg/Kg	☼	72	75 - 125
Beryllium	0.55		47.6	44.7		mg/Kg	☼	93	75 - 125
Cadmium	0.97		47.6	44.0		mg/Kg	☼	90	75 - 125
Calcium	6500	F1	2380	7830	F1	mg/Kg	☼	54	75 - 125
Chromium	16		47.6	59.1		mg/Kg	☼	90	75 - 125
Cobalt	12		47.6	60.0		mg/Kg	☼	100	75 - 125
Copper	22		47.6	69.3		mg/Kg	☼	100	75 - 125
Iron	28000		476	26200	4	mg/Kg	☼	-399	75 - 125
Lead	15		47.6	69.3		mg/Kg	☼	114	75 - 125
Magnesium	3900	F1	2380	5830		mg/Kg	☼	82	75 - 125
Manganese	490		47.6	491	4	mg/Kg	☼	2	75 - 125
Nickel	29		47.6	75.3		mg/Kg	☼	97	75 - 125
Potassium	1200	F1	2380	2800	F1	mg/Kg	☼	67	75 - 125
Selenium	ND		95.1	93.5		mg/Kg	☼	98	75 - 125
Silver	ND		23.8	23.3		mg/Kg	☼	98	75 - 125
Sodium	110	J	2380	2510		mg/Kg	☼	101	75 - 125
Thallium	ND		95.1	94.9		mg/Kg	☼	100	75 - 125
Vanadium	18		47.6	60.0		mg/Kg	☼	88	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159407-1 MS
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Prep Type: Total/NA
Prep Batch: 440680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	68	F1	23.8	86.7		mg/Kg	☼	77	75 - 125

Lab Sample ID: 180-159407-1 MSD
Matrix: Solid
Analysis Batch: 441198

Client Sample ID: SSHS-ISMP-NAF-UT-S49
Prep Type: Total/NA
Prep Batch: 440680

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	12000		476	11100	4	mg/Kg	☼	-240	75 - 125	7	20
Antimony	ND	F1	23.8	8.98	F1	mg/Kg	☼	38	75 - 125	14	20
Arsenic	14		95.1	101		mg/Kg	☼	92	75 - 125	4	20
Barium	100	F1	95.1	179		mg/Kg	☼	78	75 - 125	3	20
Beryllium	0.55		47.6	44.2		mg/Kg	☼	92	75 - 125	1	20
Cadmium	0.97		47.6	43.7		mg/Kg	☼	90	75 - 125	1	20
Calcium	6500	F1	2380	8540		mg/Kg	☼	84	75 - 125	9	20
Chromium	16		47.6	58.1		mg/Kg	☼	88	75 - 125	2	20
Cobalt	12		47.6	59.8		mg/Kg	☼	100	75 - 125	0	20
Copper	22		47.6	76.3		mg/Kg	☼	115	75 - 125	10	20
Iron	28000		476	24400	4	mg/Kg	☼	-793	75 - 125	7	20
Lead	15		47.6	58.1		mg/Kg	☼	90	75 - 125	18	20
Magnesium	3900	F1	2380	5550	F1	mg/Kg	☼	70	75 - 125	5	20
Manganese	490		47.6	542	4	mg/Kg	☼	109	75 - 125	10	20
Nickel	29		47.6	73.3		mg/Kg	☼	93	75 - 125	3	20
Potassium	1200	F1	2380	2850	F1	mg/Kg	☼	69	75 - 125	2	20
Selenium	ND		95.1	91.4		mg/Kg	☼	96	75 - 125	2	20
Silver	ND		23.8	23.1		mg/Kg	☼	97	75 - 125	1	20
Sodium	110	J	2380	2490		mg/Kg	☼	100	75 - 125	1	20
Thallium	ND		95.1	93.9		mg/Kg	☼	99	75 - 125	1	20
Vanadium	18		47.6	59.7		mg/Kg	☼	87	75 - 125	0	20
Zinc	68	F1	23.8	76.3	F1	mg/Kg	☼	34	75 - 125	13	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440694/1-A
Matrix: Solid
Analysis Batch: 440944

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/19/23 08:00	07/20/23 09:54	1

Lab Sample ID: LCS 180-440694/2-A
Matrix: Solid
Analysis Batch: 440944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.377		mg/Kg		91	80 - 120

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-159407-1 MS
Client Sample ID: SSHS-ISMP-NAF-UT-S49
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440944
Prep Batch: 440694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.157	0.140		mg/Kg	☼	90	80 - 120

Lab Sample ID: 180-159407-1 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S49
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440944
Prep Batch: 440694

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.154	0.139		mg/Kg	☼	90	80 - 120	1	20

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 440759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 8260C	440810
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	EPA 8260C	440810
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	EPA 8260C	440810
MB 180-440759/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440759/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440759/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 440810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	5035	
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	5035	
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	5035	
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	5035	
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	5035	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	5035	
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	5035	
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	5035	
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	5035	
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	5035	

Analysis Batch: 440837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	EPA 8260C	440810
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	EPA 8260C	440810
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	EPA 8260C	440810
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	EPA 8260C	440810
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	EPA 8260C	440810
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	EPA 8260C	440810
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	EPA 8260C	440810
MB 180-440837/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440837/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440837/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Prep Batch: 440758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3541	
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	3541	
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	3541	
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	3541	
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	3541	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	3541	
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	3541	
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	3541	
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	3541	
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	3541	
MB 180-440758/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440758/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-440758/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

GC/MS Semi VOA

Analysis Batch: 440777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	EPA 8270D	440758
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	EPA 8270D	440758
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	EPA 8270D	440758
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	EPA 8270D	440758

Analysis Batch: 440807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440758/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440758
LCS 180-440758/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440758
LCSD 180-440758/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	440758

Analysis Batch: 440868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 8270D	440758
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	EPA 8270D	440758
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	EPA 8270D	440758
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	EPA 8270D	440758
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	EPA 8270D	440758
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	EPA 8270D	440758

GC Semi VOA

Prep Batch: 440711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3541	
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	3541	
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	3541	
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	3541	
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	3541	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	3541	
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	3541	
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	3541	
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	3541	
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	3541	
MB 180-440711/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-440711/2-C	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-440711/3-C	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 440731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3665A	440711
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	3665A	440711
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	3665A	440711
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	3665A	440711
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	3665A	440711
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	3665A	440711
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	3665A	440711
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	3665A	440711
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	3665A	440711
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	3665A	440711
MB 180-440711/1-C	Method Blank	Total/NA	Solid	3665A	440711

GC Semi VOA (Continued)

Cleanup Batch: 440731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-440711/2-C	Lab Control Sample	Total/NA	Solid	3665A	440711
LCSD 180-440711/3-C	Lab Control Sample Dup	Total/NA	Solid	3665A	440711

Cleanup Batch: 440732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3660B	440731
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	3660B	440731
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	3660B	440731
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	3660B	440731
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	3660B	440731
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	3660B	440731
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	3660B	440731
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	3660B	440731
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	3660B	440731
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	3660B	440731
MB 180-440711/1-C	Method Blank	Total/NA	Solid	3660B	440731
LCS 180-440711/2-C	Lab Control Sample	Total/NA	Solid	3660B	440731
LCSD 180-440711/3-C	Lab Control Sample Dup	Total/NA	Solid	3660B	440731

Analysis Batch: 440736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 8082A	440732
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	EPA 8082A	440732
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	EPA 8082A	440732
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	EPA 8082A	440732
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	EPA 8082A	440732
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	EPA 8082A	440732
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	EPA 8082A	440732
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	EPA 8082A	440732
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	EPA 8082A	440732
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	EPA 8082A	440732
MB 180-440711/1-C	Method Blank	Total/NA	Solid	EPA 8082A	440732
LCS 180-440711/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	440732
LCSD 180-440711/3-C	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	440732

Metals

Prep Batch: 440680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3050B	
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	3050B	
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	3050B	
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	3050B	
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	3050B	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	3050B	
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	3050B	
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	3050B	
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	3050B	
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	3050B	
MB 180-440680/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440680/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 440680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1 MS	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3050B	
180-159407-1 MSD	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	3050B	

Prep Batch: 440694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	7471B	
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	7471B	
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	7471B	
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	7471B	
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	7471B	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	7471B	
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	7471B	
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	7471B	
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	7471B	
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	7471B	
MB 180-440694/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440694/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159407-1 MS	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	7471B	
180-159407-1 MSD	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	7471B	

Analysis Batch: 440944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 7471B	440694
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	EPA 7471B	440694
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	EPA 7471B	440694
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	EPA 7471B	440694
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	EPA 7471B	440694
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	EPA 7471B	440694
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	EPA 7471B	440694
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	EPA 7471B	440694
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	EPA 7471B	440694
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	EPA 7471B	440694
MB 180-440694/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440694
LCS 180-440694/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440694
180-159407-1 MS	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 7471B	440694
180-159407-1 MSD	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 7471B	440694

Analysis Batch: 441198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 6010C	440680
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	EPA 6010C	440680
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	EPA 6010C	440680
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	EPA 6010C	440680
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	EPA 6010C	440680
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	EPA 6010C	440680
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	EPA 6010C	440680
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	EPA 6010C	440680
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	EPA 6010C	440680
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	EPA 6010C	440680
MB 180-440680/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440680
LCS 180-440680/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440680

Metals (Continued)

Analysis Batch: 441198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1 MS	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 6010C	440680
180-159407-1 MSD	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	EPA 6010C	440680

General Chemistry

Analysis Batch: 440707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-10	SSHS-ISMP-NAF-UT-B16	Total/NA	Solid	2540G	

Analysis Batch: 440708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-1	SSHS-ISMP-NAF-UT-S49	Total/NA	Solid	2540G	
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	2540G	
180-159407-3	SSHS-ISMP-NAF-UT-S51	Total/NA	Solid	2540G	
180-159407-4	SSHS-ISMP-NAF-DUP14A	Total/NA	Solid	2540G	
180-159407-5	SSHS-ISMP-NAF-UT-S52	Total/NA	Solid	2540G	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	2540G	
180-159407-7	SSHS-ISMP-NAF-UT-S54	Total/NA	Solid	2540G	

Analysis Batch: 440709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	2540G	
180-159407-9	SSHS-ISMP-NAF-UT-B15	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special
			Preservation Code:				N	N	X	X	X	X	N	N		
SSHS-ISMP-NAF-UT-S49	7/17/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S50	7/17/23	1530	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S51	7/17/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP14A	7/17/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S52	7/17/23	1540	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S53	7/17/23	1545	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S54	7/17/23	1550	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B14	7/17/23	1555	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B15	7/17/23	1600	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B16	7/17/23	1605	G	S	N	N	X	X	X	X			6	

180-159407 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 7/17/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 09:20	Company
Relinquished by:	Date/Time	Company	Received by	Date/Time.	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

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Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
	M STELMACH	Dunlap, David A		180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address	Due Date Requested:
10211 Wincopin Circle 4th Floor	
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S49	7/17/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S50	7/17/23	1530	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S51	7/17/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP14A	7/17/23		G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S52	7/17/23	1540	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S53	7/17/23	1545	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S54	7/17/23	1550	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B14	7/17/23	1555	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B15	7/17/23	1600	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B16	7/17/23	1605	G	S	N	N	X	X	X	X			6	

180-159406 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Mwaude	Date/Time: 7/17/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 1020	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.9

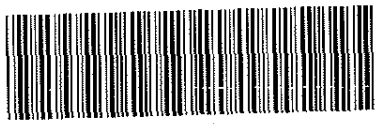
Ver 01/16/2019

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7/24/2023

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Sacramento Sample Receiving Notes



Job _____

Tracking # 7727 3624 0637

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID L10 Corr Factor (+ / -) _____ °C

Ice — Wet _____ Gel _____ Other _____

Cooler Custody Seal — _____

Cooler ID — _____

Temp Observed 3.4 °C Corrected 3.4 °C

From Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials JF Date 7/18/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials TT Date 07/18/23

Notes _____

Trizma Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SD Date 7/18/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159407-1

Login Number: 159407
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/24/2023 3:43:53 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159476-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159476-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159476-2

Receipt
The samples were received on 7/19/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.2º C, 2.2º C, 2.3º C, 2.4º C, 2.9º C and 3.7º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159476-5	SSHS-ISMP-NAF-UT-S58	Solid	07/18/23 12:55	07/19/23 09:15
180-159476-10	SSHS-ISMP-NAF-UT-S59	Solid	07/18/23 13:20	07/19/23 09:15
180-159476-15	SSHS-ISMP-NAF-UT-B19	Solid	07/18/23 13:45	07/19/23 09:15
180-159476-20	SSHS-ISMP-NAF-UT-S69	Solid	07/18/23 14:10	07/19/23 09:15

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.49 g	10.0 mL	692230	07/19/23 19:07	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	692442	07/20/23 15:15	S1M	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10
Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	692230	07/19/23 19:07	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	692442	07/20/23 15:26	S1M	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15
Date Collected: 07/18/23 13:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.39 g	10.0 mL	692230	07/19/23 19:07	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	692442	07/20/23 15:38	S1M	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.59 g	10.0 mL	692230	07/19/23 19:07	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	692442	07/20/23 15:49	S1M	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.26	0.060	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.26	0.054	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.26	0.041	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.26	0.050	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorooctanoic acid (PFOA)	ND		0.26	0.070	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorononanoic acid (PFNA)	ND		0.26	0.029	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorodecanoic acid (PFDA)	ND		0.26	0.063	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.26	0.055	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.26	0.039	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.26	0.028	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.26	0.049	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.26	0.050	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.26	0.038	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.26	0.064	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.26	0.056	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.26	0.068	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.26	0.043	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.26	0.030	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.26	0.063	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
6:2 FTS	ND		0.26	0.035	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1
8:2 FTS	ND		0.26	0.046	ug/Kg	☼	07/19/23 19:07	07/20/23 15:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C2 PFHxA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C4 PFHpA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C5 PFNA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C2 PFUnA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C3 PFBS	*74*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
18O2 PFHxS	*77*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C4 PFOS	*75*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
13C8 FOSA	*76*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:15*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10
Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.24	0.055	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.049	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorohexanoic acid (PFHxA)	ND		0.24	0.037	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.046	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.064	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.026	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.058	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.050	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.046	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.059	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.052	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.062	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.028	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.058	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	07/19/23 19:07	07/20/23 15:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C5 PFPeA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C2 PFHxA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C4 PFHpA	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C4 PFOA	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C5 PFNA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C2 PFDA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C2 PFUnA	*74*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C2 PFTeDA	*59*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C3 PFBS	*67*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
18O2 PFHxS	*72*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C4 PFOS	*66*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
13C8 FOSA	*77*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
d5-NEtFOSAA	*76*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
M2-6:2 FTS	*74*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:26*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15

Date Collected: 07/18/23 13:45
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.15**	**J**	0.21	0.048	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorohexanoic acid (PFHxA)	**0.034**	**J**	0.21	0.033	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorooctanoic acid (PFOA)	**0.084**	**J**	0.21	0.056	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	07/19/23 19:07	07/20/23 15:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C5 PFPeA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C2 PFHxA	*78*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C4 PFHpA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C5 PFNA	*86*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C2 PFUnA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C2 PFDoA	*86*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C3 PFBS	*69*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
18O2 PFHxS	*70*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C4 PFOS	*75*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
13C8 FOSA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:38*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/19/23 19:07	07/20/23 15:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C2 PFHxA	*78*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C4 PFOA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C5 PFNA	*86*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C2 PFUnA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C2 PFDoA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C3 PFBS	*70*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
18O2 PFHxS	*74*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C4 PFOS	*73*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
13C8 FOSA	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
M2-6:2 FTS	*65*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*
M2-8:2 FTS	*76*		*25 - 150*	*07/19/23 19:07*	*07/20/23 15:49*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-692230/1-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/19/23 19:07	07/20/23 14:07	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFHxA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C4 PFHpA	*90*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C5 PFNA	*86*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFDA	*90*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C3 PFBS	*79*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
18O2 PFHxS	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C4 PFOS	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C8 FOSA	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-692230/2-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		100	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.85		ug/Kg		93	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.93		ug/Kg		96	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.09		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.92		ug/Kg		96	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.10		ug/Kg		105	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.05		ug/Kg		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.07		ug/Kg		103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.80		ug/Kg		102	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.75		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.98		ug/Kg		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.88		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.82		ug/Kg		94	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.08		ug/Kg		104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.08		ug/Kg		104	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.94		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.98		ug/Kg		104	73 - 139
8:2 FTS	1.92	1.95		ug/Kg		102	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*87*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*93*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*92*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*87*		*25 - 150*
13C2 PFTeDA	*78*		*25 - 150*
13C3 PFBS	*84*		*25 - 150*
18O2 PFHxS	*86*		*25 - 150*
13C4 PFOS	*88*		*25 - 150*
13C8 FOSA	*88*		*25 - 150*
d3-NMeFOSAA	*83*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-692230/2-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692230

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	95		25 - 150

Lab Sample ID: LCSD 320-692230/3-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692230

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			2.00	1.97		ug/Kg		98	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)			2.00	1.82		ug/Kg		91	69 - 129	5	30
Perfluorohexanoic acid (PFHxA)			2.00	2.00		ug/Kg		100	71 - 131	8	30
Perfluoroheptanoic acid (PFHpA)			2.00	1.85		ug/Kg		93	71 - 131	6	30
Perfluorooctanoic acid (PFOA)			2.00	1.86		ug/Kg		93	72 - 132	3	30
Perfluorononanoic acid (PFNA)			2.00	2.11		ug/Kg		106	73 - 133	1	30
Perfluorodecanoic acid (PFDA)			2.00	2.03		ug/Kg		101	72 - 132	6	30
Perfluoroundecanoic acid (PFUnA)			2.00	1.90		ug/Kg		95	66 - 126	10	30
Perfluorododecanoic acid (PFDoA)			2.00	1.89		ug/Kg		95	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)			2.00	1.90		ug/Kg		95	71 - 131	12	30
Perfluorotetradecanoic acid (PFTeA)			2.00	1.95		ug/Kg		97	67 - 127	6	30
Perfluorobutanesulfonic acid (PFBS)			1.78	1.75		ug/Kg		99	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.68		ug/Kg		92	62 - 122	4	30
Perfluoroheptanesulfonic acid (PFHpS)			1.91	1.92		ug/Kg		101	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)			1.86	1.77		ug/Kg		95	68 - 141	6	30
Perfluorodecanesulfonic acid (PFDS)			1.93	1.81		ug/Kg		94	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)			2.00	2.04		ug/Kg		102	77 - 137	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	1.95		ug/Kg		98	72 - 132	6	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	1.92		ug/Kg		96	72 - 132	1	30
6:2 FTS			1.90	1.92		ug/Kg		101	73 - 139	3	30
8:2 FTS			1.92	1.74		ug/Kg		91	75 - 135	11	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	89		25 - 150
13C5 PFPeA	91		25 - 150
13C2 PFHxA	86		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	89		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	90		25 - 150
13C2 PFDoA	97		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-692230/3-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692230

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	83		25 - 150
13C3 PFBS	87		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	91		25 - 150
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	92		25 - 150
M2-6:2 FTS	84		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 692230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	SHAKE	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	SHAKE	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	SHAKE	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	SHAKE	
MB 320-692230/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-692230/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCSD 320-692230/3-A	Lab Control Sample Dup	Total/NA	Solid	SHAKE	

Analysis Batch: 692442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	537 (modified)	692230
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	537 (modified)	692230
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	537 (modified)	692230
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	537 (modified)	692230
MB 320-692230/1-A	Method Blank	Total/NA	Solid	537 (modified)	692230
LCS 320-692230/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	692230
LCSD 320-692230/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	692230

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N				
SSHS-ISMP-NAF-UT-S55	7/18/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S56	7/18/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S57	7/18/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP15A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S58	7/18/23	1255	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B17	7/18/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S61	7/18/23	1305	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-S62	7/18/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S63	7/18/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S59	7/18/23	1320	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S60	7/18/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B18	7/18/23	1330	G	S	N	N	X	X	X	X			6	

180-159476 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Ackerman	Date/Time: 7/18/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 0915	Company: CETAR
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-ISMP-NAF-UT-S64	7/18/23	1335	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S65	7/18/23	1340	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-B19	7/18/23	1345	G	S	N	N	X	X	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S66	7/18/23	1350	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S67	7/18/23	1355	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-B20	7/18/23	1400	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S68	7/18/23	1405	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S69	7/18/23	1410	G	S	N	N	X	X	X	X	X	X									8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Ftelman	Date/Time: 7/18/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 0915	Company: ESTA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company: ESTA Pitt
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	M STELMACH	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-159476 Chain of Custody

Preservation Codes.

A HCL	M Hexane		
B NaOH	N None		
C Zn Acetate	O AsNaO2		
D Nitric Acid	P Na2O4S		
E NaHSO4	Q Na2SO3		
F MeOH	R Na2S2O3		
G Amchlor	S H2SO4		
H Ascorbic Acid	T TSP Dodecahydrate		
I Ice	U Acetone		
J DI Water	V MCAA		
K EDTA	W pH 4-5		
L EDA	Z other (specify)		

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S55	7/18/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S56	7/18/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S57	7/18/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP15A	7/18/23	--	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S58	7/18/23	1255	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B17	7/18/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S61	7/18/23	1305	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-S62	7/18/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S63	7/18/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S59	7/18/23	1320	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S60	7/18/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B18	7/18/23	1330	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Miranda Hilman	Date/Time: 7/18/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 940	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2-9

Ver: 01/16/2019

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7/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S64	7/18/23	1335	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S65	7/18/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B19	7/18/23	1345	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S66	7/18/23	1350	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S67	7/18/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B20	7/18/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S68	7/18/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S69	7/18/23	1410	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Miranda Stelmach	7/19/23/1800	Company: Geosyntec		7/19/23 940	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.9

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

Job.___ 180-159476 Field Sheet ___

Tracking # 7727 3625 7269

SO / (FO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L10 Corr Factor (+ /) _____°C

Ice ✓ Wet_____ Gel _____ Other _____

Cooler Custody Seal ✓

Cooler ID _____

Temp Observed 2.9 °C Corrected 2.9 °C

From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials JF Date 7/19/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SO Date 7/19/23

Notes._____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SO Date 7/19/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159476-2

Login Number: 159476
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159476-2

Login Number: 159476
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 07/19/23 04:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/24/2023 3:50:21 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159478-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/24/2023 3:50:21 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159478-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159478-2

Receipt
The samples were received on 7/19/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.2º C, 2.2º C, 2.3º C, 2.4º C, 2.9º C and 3.7º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159478-5	SSHS-ISMP-NAF-UT-B21	Solid	07/18/23 14:30	07/19/23 09:15
180-159478-9	SSHS-ISMP-NAF-UT-S75	Solid	07/18/23 14:50	07/19/23 09:15

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	692230	07/19/23 19:07	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	692442	07/20/23 16:11	S1M	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	692230	07/19/23 19:07	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	692442	07/20/23 16:22	S1M	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

S1M = Sudarat Mongkol

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.24	0.055	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.049	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.24	0.037	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.045	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.063	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.026	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.057	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.050	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.045	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.058	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.051	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.062	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.039	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.027	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.057	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	07/19/23 19:07	07/20/23 16:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C5 PFPeA	*79*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C2 PFHxA	*78*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C4 PFHpA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C5 PFNA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C2 PFDA	*79*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C2 PFUnA	*75*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C2 PFDoA	*78*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C3 PFBS	*70*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
18O2 PFHxS	*68*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C4 PFOS	*67*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
13C8 FOSA	*75*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
d5-NEtFOSAA	*76*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:11*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorononanoic acid (PFNA)	**0.029**	**J**	0.22	0.024	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/19/23 19:07	07/20/23 16:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C5 PFPeA	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C2 PFHxA	*78*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C4 PFHpA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C4 PFOA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C5 PFNA	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C2 PFDA	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C2 PFDoA	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C2 PFTeDA	*70*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C3 PFBS	*67*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
18O2 PFHxS	*73*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C4 PFOS	*72*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
13C8 FOSA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
M2-6:2 FTS	*70*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*07/19/23 19:07*	*07/20/23 16:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-692230/1-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692230

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/19/23 19:07	07/20/23 14:07	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/19/23 19:07	07/20/23 14:07	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFHxA	*82*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C4 PFHpA	*90*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C5 PFNA	*86*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFDA	*90*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C3 PFBS	*79*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
18O2 PFHxS	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C4 PFOS	*80*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
13C8 FOSA	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*07/19/23 19:07*	*07/20/23 14:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-692230/2-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692230

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.99		ug/Kg		100	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.91		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.85		ug/Kg		93	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.93		ug/Kg		96	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.09		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.92		ug/Kg		96	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.10		ug/Kg		105	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.05		ug/Kg		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.07		ug/Kg		103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.80		ug/Kg		102	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.75		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.98		ug/Kg		104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.88		ug/Kg		101	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.82		ug/Kg		94	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.08		ug/Kg		104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.08		ug/Kg		104	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.94		ug/Kg		97	72 - 132
6:2 FTS	1.90	1.98		ug/Kg		104	73 - 139
8:2 FTS	1.92	1.95		ug/Kg		102	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*87*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*93*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*92*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*87*		*25 - 150*
13C2 PFTeDA	*78*		*25 - 150*
13C3 PFBS	*84*		*25 - 150*
18O2 PFHxS	*86*		*25 - 150*
13C4 PFOS	*88*		*25 - 150*
13C8 FOSA	*88*		*25 - 150*
d3-NMeFOSAA	*83*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-692230/2-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692230

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	95		25 - 150

Lab Sample ID: LCSD 320-692230/3-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692230

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			2.00	1.97		ug/Kg		98	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)			2.00	1.82		ug/Kg		91	69 - 129	5	30
Perfluorohexanoic acid (PFHxA)			2.00	2.00		ug/Kg		100	71 - 131	8	30
Perfluoroheptanoic acid (PFHpA)			2.00	1.85		ug/Kg		93	71 - 131	6	30
Perfluorooctanoic acid (PFOA)			2.00	1.86		ug/Kg		93	72 - 132	3	30
Perfluorononanoic acid (PFNA)			2.00	2.11		ug/Kg		106	73 - 133	1	30
Perfluorodecanoic acid (PFDA)			2.00	2.03		ug/Kg		101	72 - 132	6	30
Perfluoroundecanoic acid (PFUnA)			2.00	1.90		ug/Kg		95	66 - 126	10	30
Perfluorododecanoic acid (PFDoA)			2.00	1.89		ug/Kg		95	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)			2.00	1.90		ug/Kg		95	71 - 131	12	30
Perfluorotetradecanoic acid (PFTeA)			2.00	1.95		ug/Kg		97	67 - 127	6	30
Perfluorobutanesulfonic acid (PFBS)			1.78	1.75		ug/Kg		99	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.68		ug/Kg		92	62 - 122	4	30
Perfluoroheptanesulfonic acid (PFHpS)			1.91	1.92		ug/Kg		101	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)			1.86	1.77		ug/Kg		95	68 - 141	6	30
Perfluorodecanesulfonic acid (PFDS)			1.93	1.81		ug/Kg		94	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)			2.00	2.04		ug/Kg		102	77 - 137	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	1.95		ug/Kg		98	72 - 132	6	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	1.92		ug/Kg		96	72 - 132	1	30
6:2 FTS			1.90	1.92		ug/Kg		101	73 - 139	3	30
8:2 FTS			1.92	1.74		ug/Kg		91	75 - 135	11	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	89		25 - 150
13C5 PFPeA	91		25 - 150
13C2 PFHxA	86		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	89		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	90		25 - 150
13C2 PFDoA	97		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-692230/3-A
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692230

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	83		25 - 150
13C3 PFBS	87		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	91		25 - 150
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	92		25 - 150
M2-6:2 FTS	84		25 - 150
M2-8:2 FTS	96		25 - 150

Lab Sample ID: 180-159478-9 MS
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Prep Type: Total/NA
Prep Batch: 692230

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.20	2.33		ug/Kg	☼	106	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.20	2.24		ug/Kg	☼	102	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.20	2.11		ug/Kg	☼	96	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.20	2.11		ug/Kg	☼	96	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.20	2.21		ug/Kg	☼	101	72 - 132
Perfluorononanoic acid (PFNA)	0.029	J	2.20	2.54		ug/Kg	☼	114	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.20	2.43		ug/Kg	☼	110	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.20	2.38		ug/Kg	☼	108	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.20	2.33		ug/Kg	☼	106	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.20	2.19		ug/Kg	☼	100	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.20	2.23		ug/Kg	☼	101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.95	1.87		ug/Kg	☼	96	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.01	1.90		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.10	2.09		ug/Kg	☼	100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.05	2.10		ug/Kg	☼	103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.12	1.97		ug/Kg	☼	93	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.20	2.25		ug/Kg	☼	102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.20	2.19		ug/Kg	☼	100	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.20	2.14		ug/Kg	☼	97	72 - 132
6:2 FTS	ND		2.10	2.05		ug/Kg	☼	98	73 - 139
8:2 FTS	ND		2.11	1.98		ug/Kg	☼	94	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	79		25 - 150
13C5 PFPeA	79		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159478-9 MS
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Prep Type: Total/NA
Prep Batch: 692230

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C2 PFHxA	*85*		*25 - 150*
13C4 PFHpA	*80*		*25 - 150*
13C4 PFOA	*84*		*25 - 150*
13C5 PFNA	*82*		*25 - 150*
13C2 PFDA	*80*		*25 - 150*
13C2 PFUnA	*79*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*
13C2 PFTeDA	*71*		*25 - 150*
13C3 PFBS	*75*		*25 - 150*
18O2 PFHxS	*74*		*25 - 150*
13C4 PFOS	*75*		*25 - 150*
13C8 FOSA	*79*		*25 - 150*
d3-NMeFOSAA	*77*		*25 - 150*
d5-NEtFOSAA	*81*		*25 - 150*
M2-6:2 FTS	*71*		*25 - 150*
M2-8:2 FTS	*79*		*25 - 150*

Lab Sample ID: 180-159478-9 MSD
Matrix: Solid
Analysis Batch: 692442

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Prep Type: Total/NA
Prep Batch: 692230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.15	2.23		ug/Kg	☼	104	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	ND		2.15	2.16		ug/Kg	☼	101	69 - 129	4	30
Perfluorohexanoic acid (PFHxA)	ND		2.15	2.21		ug/Kg	☼	103	71 - 131	5	30
Perfluoroheptanoic acid (PFHpA)	ND		2.15	2.22		ug/Kg	☼	103	71 - 131	5	30
Perfluorooctanoic acid (PFOA)	ND		2.15	2.14		ug/Kg	☼	99	72 - 132	4	30
Perfluorononanoic acid (PFNA)	0.029	J	2.15	2.41		ug/Kg	☼	111	73 - 133	5	30
Perfluorodecanoic acid (PFDA)	ND		2.15	2.15		ug/Kg	☼	100	72 - 132	12	30
Perfluoroundecanoic acid (PFUnA)	ND		2.15	2.06		ug/Kg	☼	96	66 - 126	14	30
Perfluorododecanoic acid (PFDoA)	ND		2.15	2.07		ug/Kg	☼	96	71 - 131	12	30
Perfluorotridecanoic acid (PFTriA)	ND		2.15	2.05		ug/Kg	☼	96	71 - 131	7	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.15	2.18		ug/Kg	☼	102	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.91	1.80		ug/Kg	☼	94	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.96	1.97		ug/Kg	☼	101	62 - 122	4	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.05	1.98		ug/Kg	☼	97	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.00	1.95		ug/Kg	☼	98	68 - 141	7	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.07	1.85		ug/Kg	☼	89	71 - 131	6	30
Perfluorooctanesulfonamide (FOSA)	ND		2.15	2.17		ug/Kg	☼	101	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.15	2.24		ug/Kg	☼	104	72 - 132	2	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159478-9 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S75
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 692442
Prep Batch: 692230

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.15	2.14		ug/Kg	☼	100	72 - 132	0	30
6:2 FTS	ND		2.04	1.98		ug/Kg	☼	97	73 - 139	4	30
8:2 FTS	ND		2.06	2.17		ug/Kg	☼	105	75 - 135	9	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*82*		*25 - 150*
13C5 PFPeA	*81*		*25 - 150*
13C2 PFHxA	*81*		*25 - 150*
13C4 PFHpA	*82*		*25 - 150*
13C4 PFOA	*81*		*25 - 150*
13C5 PFNA	*85*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*82*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*
13C2 PFTeDA	*74*		*25 - 150*
13C3 PFBS	*72*		*25 - 150*
18O2 PFHxS	*69*		*25 - 150*
13C4 PFOS	*73*		*25 - 150*
13C8 FOSA	*82*		*25 - 150*
d3-NMeFOSAA	*74*		*25 - 150*
d5-NEtFOSAA	*80*		*25 - 150*
M2-6:2 FTS	*75*		*25 - 150*
M2-8:2 FTS	*78*		*25 - 150*

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 692230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	SHAKE	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	SHAKE	
MB 320-692230/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-692230/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCSD 320-692230/3-A	Lab Control Sample Dup	Total/NA	Solid	SHAKE	
180-159478-9 MS	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	SHAKE	
180-159478-9 MSD	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	SHAKE	

Analysis Batch: 692442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	537 (modified)	692230
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	537 (modified)	692230
MB 320-692230/1-A	Method Blank	Total/NA	Solid	537 (modified)	692230
LCS 320-692230/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	692230
LCSD 320-692230/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	692230
180-159478-9 MS	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	537 (modified)	692230
180-159478-9 MSD	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	537 (modified)	692230

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S70	7/18/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP16A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S71	7/18/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S72	7/18/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B21	7/18/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S73	7/18/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S74	7/18/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B22	7/18/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S75	7/18/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B23	7/18/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP17A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S76	7/18/23	1500	G	S	N	Y	X	X	X	X			16	

180-159478 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: –	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Atchuah	Date/Time: 7/18/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 0915	Company: Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-159478 Chain of Custody

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S70	7/18/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP16A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S71	7/18/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S72	7/18/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B21	7/18/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S73	7/18/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S74	7/18/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B22	7/18/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S75	7/18/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B23	7/18/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP17A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S76	7/18/23	1500	G	S	N	Y	X	X	X	X			16	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mujaida Jatelech	7/18/23/1800	Company: Geosyntec		7/19/23 940	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2 9

Ver: 01/16/2019

Page 20 of 23

7/24/2023

eurofins | Environment Testing America

Sacramento
Sample Receiving Notes

180-159478 Field Sheet

Job. _____

Tracking # 7727 3625 7269

SO / FO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID: L10 Corr Factor (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal ✓

Cooler ID _____

Temp Observed. 2.9 °C Corrected 2.9 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JF Date: 7/19/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SD Date. 7/19/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials SD Date. 7/19/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159478-2

Login Number: 159478
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159478-2

Login Number: 159478
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 07/19/23 04:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159406-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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(412)963-2432

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Job ID: 180-159406-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159406-2

Receipt
The samples were received on 7/18/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 3.4º C, 3.4º C, 3.8º C, 3.8º C, 3.9º C and 5.2º C.

LCMS
Method 537 (modified): The following sample exhibited matrix interferences for Perfluorobutanoic acid (PFBA) and Perfluoropentanoic acid (PFPeA) causing elevation of the reporting limit: SSHS-ISMP-NAF-UT-S35 (180-159406-1). The reporting limit for the affected analyte has been raised to be equal to the matrix, and a "G" qualifier applied.

Method 537 (modified): The following sample exhibited matrix interferences for Perfluoropentanoic acid (PFPeA) causing elevation of the reporting limit: SSHS-ISMP-NAF-UT-S40 (180-159406-6). The reporting limit for the affected analyte has been raised to be equal to the matrix, and a "G" qualifier applied.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159406-1	SSHS-ISMP-NAF-UT-S35	Solid	07/17/23 14:00	07/18/23 09:20
180-159406-6	SSHS-ISMP-NAF-UT-S40	Solid	07/17/23 14:25	07/18/23 09:20
180-159406-11	SSHS-ISMP-NAF-UT-S44	Solid	07/17/23 14:45	07/18/23 09:20
180-159406-16	SSHS-ISMP-NAF-UT-B13	Solid	07/17/23 15:10	07/18/23 09:20

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.17 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 13:00	C1P	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 13:10	C1P	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 13:20	C1P	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.43 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 13:51	C1P	EET SAC
	Instrument ID: A25									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S35
Lab Sample ID: 180-159406-1
Date Collected: 07/17/23 14:00
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 93.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND	G	0.31	0.31	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluoropentanoic acid (PFPeA)	ND	G	0.53	0.53	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorooctanoic acid (PFOA)	**0.19**	**J**	0.21	0.055	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorotridecanoic acid (PFTriA)	**0.030**	**J**	0.21	0.022	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorohexanesulfonic acid (PFHxS)	**0.11**	**J**	0.21	0.030	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorooctanesulfonic acid (PFOS)	**0.53**		0.21	0.045	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
6:2 FTS	**0.061**	**J B**	0.21	0.028	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	07/19/23 04:29	07/22/23 13:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C5 PFPeA	*88*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C2 PFHxA	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C4 PFOA	*92*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C5 PFNA	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C2 PFDA	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C2 PFUnA	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C2 PFDoA	*74*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C3 PFBS	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
18O2 PFHxS	*74*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C4 PFOS	*72*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
13C8 FOSA	*78*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:00*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S40
Lab Sample ID: 180-159406-6
Date Collected: 07/17/23 14:25
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 87.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.38**		0.22	0.050	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluoropentanoic acid (PFPeA)	ND	G	0.55	0.55	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.033	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluoroheptanoic acid (PFHpA)	**0.046**	**J**	0.22	0.041	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.22	0.057	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorobutanesulfonic acid (PFBS)	**0.053**	**J**	0.22	0.041	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorohexanesulfonic acid (PFHxS)	**0.078**	**J**	0.22	0.031	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorooctanesulfonic acid (PFOS)	**0.27**		0.22	0.046	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/19/23 04:29	07/22/23 13:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C2 PFHxA	*88*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C4 PFOA	*93*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C2 PFDA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C2 PFUnA	*74*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C2 PFDoA	*72*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
18O2 PFHxS	*95*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C4 PFOS	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
13C8 FOSA	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
d5-NEtFOSAA	*70*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:10*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Lab Sample ID: 180-159406-11
Date Collected: 07/17/23 14:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 86.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.052	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.048	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	07/19/23 04:29	07/22/23 13:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C5 PFPeA	*109*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C2 PFHxA	*97*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C4 PFHpA	*98*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C4 PFOA	*97*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C2 PFDA	*98*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C2 PFUnA	*91*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C3 PFBS	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
18O2 PFHxS	*97*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C4 PFOS	*93*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
13C8 FOSA	*99*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:20*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B13
Lab Sample ID: 180-159406-16
Date Collected: 07/17/23 15:10
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 79.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.053	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorooctanoic acid (PFOA)	**0.069**	**J**	0.23	0.061	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.050	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	07/19/23 04:29	07/22/23 13:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C5 PFPeA	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C2 PFHxA	*90*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C4 PFHpA	*92*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C5 PFNA	*90*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C2 PFDA	*92*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C2 PFUnA	*90*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C2 PFDoA	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C3 PFBS	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
18O2 PFHxS	*82*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C4 PFOS	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
13C8 FOSA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/19/23 04:29*	*07/22/23 13:51*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-691916/1-A
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
6:2 FTS	0.0652	J	0.20	0.027	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/19/23 04:29	07/22/23 12:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFHxA	*91*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C4 PFHpA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C4 PFOA	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C5 PFNA	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFUnA	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFDoA	*76*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C3 PFBS	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
18O2 PFHxS	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C4 PFOS	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C8 FOSA	*77*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-691916/2-A
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.75		ug/Kg		88	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.93		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.83		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.90		ug/Kg		95	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.09		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.83		ug/Kg		92	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.71		ug/Kg		86	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.74		ug/Kg		87	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.73		ug/Kg		97	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.71		ug/Kg		89	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.63		ug/Kg		87	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.68		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.85		ug/Kg		93	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.92		ug/Kg		96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.71		ug/Kg		86	72 - 132
6:2 FTS	1.90	1.74		ug/Kg		91	73 - 139
8:2 FTS	1.92	1.81		ug/Kg		94	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*95*		*25 - 150*
13C5 PFNA	*92*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*86*		*25 - 150*
13C3 PFBS	*91*		*25 - 150*
18O2 PFHxS	*92*		*25 - 150*
13C4 PFOS	*95*		*25 - 150*
13C8 FOSA	*85*		*25 - 150*
d3-NMeFOSAA	*88*		*25 - 150*
d5-NEtFOSAA	*95*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-691916/2-A
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691916

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*95*		*25 - 150*
M2-8:2 FTS	*87*		*25 - 150*

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 691916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.23	2.33		ug/Kg	☼	104	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.23	2.04		ug/Kg	☼	91	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.23	2.34		ug/Kg	☼	105	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.23	2.34		ug/Kg	☼	105	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.23	2.34		ug/Kg	☼	105	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.23	2.45		ug/Kg	☼	109	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.23	2.20		ug/Kg	☼	99	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.23	2.28		ug/Kg	☼	102	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.23	2.29		ug/Kg	☼	103	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.23	2.05		ug/Kg	☼	92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.23	2.18		ug/Kg	☼	97	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.98	1.92		ug/Kg	☼	97	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.04	1.90		ug/Kg	☼	93	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.13	2.21		ug/Kg	☼	104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.08	2.08		ug/Kg	☼	100	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.15	1.79		ug/Kg	☼	83	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.23	2.30		ug/Kg	☼	103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.23	2.30		ug/Kg	☼	103	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.23	2.48		ug/Kg	☼	111	72 - 132
6:2 FTS	ND		2.13	2.18		ug/Kg	☼	103	73 - 139
8:2 FTS	ND		2.15	2.14		ug/Kg	☼	100	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*94*		*25 - 150*
13C5 PFPeA	*112*		*25 - 150*
13C2 PFHxA	*101*		*25 - 150*
13C4 PFHpA	*102*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*79*		*25 - 150*
13C2 PFDoA	*79*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159406-11 MS
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 691916

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	71		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	81		25 - 150
d3-NMeFOSAA	75		25 - 150
d5-NEtFOSAA	69		25 - 150
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	79		25 - 150

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 691916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.30	2.30		ug/Kg	☼	100	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.30	2.05		ug/Kg	☼	89	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	ND		2.30	2.39		ug/Kg	☼	104	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)	ND		2.30	2.33		ug/Kg	☼	101	71 - 131	0	30
Perfluorooctanoic acid (PFOA)	ND		2.30	2.34		ug/Kg	☼	102	72 - 132	0	30
Perfluorononanoic acid (PFNA)	ND		2.30	2.44		ug/Kg	☼	106	73 - 133	0	30
Perfluorodecanoic acid (PFDA)	ND		2.30	2.24		ug/Kg	☼	97	72 - 132	2	30
Perfluoroundecanoic acid (PFUnA)	ND		2.30	2.34		ug/Kg	☼	102	66 - 126	3	30
Perfluorododecanoic acid (PFDoA)	ND		2.30	2.41		ug/Kg	☼	105	71 - 131	5	30
Perfluorotridecanoic acid (PFTriA)	ND		2.30	2.18		ug/Kg	☼	95	71 - 131	6	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.30	2.49		ug/Kg	☼	109	67 - 127	14	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.04	1.99		ug/Kg	☼	97	69 - 129	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.09	2.00		ug/Kg	☼	96	62 - 122	5	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.19	2.27		ug/Kg	☼	104	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.14	2.10		ug/Kg	☼	98	68 - 141	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.21	1.67		ug/Kg	☼	75	71 - 131	7	30
Perfluorooctanesulfonamide (FOSA)	ND		2.30	2.36		ug/Kg	☼	103	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.30	2.28		ug/Kg	☼	99	72 - 132	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.30	2.34		ug/Kg	☼	102	72 - 132	6	30
6:2 FTS	ND		2.19	2.12		ug/Kg	☼	97	73 - 139	3	30
8:2 FTS	ND		2.21	2.38		ug/Kg	☼	108	75 - 135	11	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	103		25 - 150
13C5 PFPeA	102		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159406-11 MSD
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: SSHS-ISMP-NAF-UT-S44
Prep Type: Total/NA
Prep Batch: 691916

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	101		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	80		25 - 150
13C2 PFDoA	73		25 - 150
13C2 PFTeDA	58		25 - 150
13C3 PFBS	91		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	76		25 - 150
d3-NMeFOSAA	75		25 - 150
d5-NEtFOSAA	69		25 - 150
M2-6:2 FTS	84		25 - 150
M2-8:2 FTS	72		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159406-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 691916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	SHAKE	
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	SHAKE	
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	SHAKE	
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	SHAKE	
MB 320-691916/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-691916/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	SHAKE	
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	SHAKE	

Analysis Batch: 693238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159406-1	SSHS-ISMP-NAF-UT-S35	Total/NA	Solid	537 (modified)	691916
180-159406-6	SSHS-ISMP-NAF-UT-S40	Total/NA	Solid	537 (modified)	691916
180-159406-11	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	537 (modified)	691916
180-159406-16	SSHS-ISMP-NAF-UT-B13	Total/NA	Solid	537 (modified)	691916
MB 320-691916/1-A	Method Blank	Total/NA	Solid	537 (modified)	691916
LCS 320-691916/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	691916
180-159406-11 MS	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	537 (modified)	691916
180-159406-11 MSD	SSHS-ISMP-NAF-UT-S44	Total/NA	Solid	537 (modified)	691916

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S35	7/17/23	1400	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S36	7/17/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S37	7/17/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S38	7/17/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S39	7/17/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S40	7/17/23	1425	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S41	7/17/23	1430	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S42	7/17/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S43	7/17/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP13A	7/17/23	–	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S44	7/17/23	1445	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-ISMP-NAF-UT-S45	7/17/23	1450	G	S	N	N	X	X	X	X									6	

180-159406 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Steller	Date/Time: 7/17/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 09:20	Company: Eurofins Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

7/25/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller/ M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s).	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S46	7/17/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B11	7/17/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B12	7/17/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B13	7/17/23	1510	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S47	7/17/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S48	7/17/23	1520	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time.	Method of Shipment:

Relinquished by: Miranda Stelmach	Date/Time: 7/17/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 9:30	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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7/25/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-159407 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercu	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S35	7/17/23	1400	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S36	7/17/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S37	7/17/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S38	7/17/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S39	7/17/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S40	7/17/23	1425	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S41	7/17/23	1430	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S42	7/17/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S43	7/17/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP13A	7/17/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S44	7/17/23	1445	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-ISMP-NAF-UT-S45	7/17/23	1450	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Jackson	7/17/23 1800	Geosyntec		7/18/23 1020	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

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7/25/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr Aron Krasnopoler	Z Miller/ M Stelmach	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S46	7/17/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B11	7/17/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B12	7/17/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B13	7/17/23	1510	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S47	7/17/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S48	7/17/23	1520	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Miranda Stelmach	Date/Time: 7/17/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 1020	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

180-159406 Field Sheet

Job ____

Tracking # 7727 3624 0637

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm ID L10 Corr Factor (+ / -) ____ °C

Ice — Wet ____ Gel ____ Other ____

Cooler Custody Seal —

Cooler ID —

Temp Observed 3.4 °C Corrected 3.4 °C

From Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JF Date 7/18/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials VT Date 07/18/23

Notes ____

Trizma Lot #(s) ____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials SD Date 7/18/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159406-2

Login Number: 159406
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159406-2

Login Number: 159406
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 07/18/23 07:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/25/2023 2:44:41 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159407-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159407-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159407-2

Receipt
The samples were received on 7/18/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 3.4º C, 3.4º C, 3.8º C, 3.8º C, 3.9º C and 5.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159407-2	SSHS-ISMP-NAF-UT-S50	Solid	07/17/23 15:30	07/18/23 09:20
180-159407-6	SSHS-ISMP-NAF-UT-S53	Solid	07/17/23 15:45	07/18/23 09:20
180-159407-8	SSHS-ISMP-NAF-UT-B14	Solid	07/17/23 15:55	07/18/23 09:20

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 14:01	C1P	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.04 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 14:11	C1P	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	691916	07/19/23 04:29	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	693238	07/22/23 14:32	C1P	EET SAC
	Instrument ID: A25									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S50
Lab Sample ID: 180-159407-2
Date Collected: 07/17/23 15:30
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 95.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.047	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.053	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	07/19/23 04:29	07/22/23 14:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C5 PFPeA	*103*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C2 PFHxA	*104*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C4 PFHpA	*97*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C4 PFOA	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C2 PFDA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C2 PFUnA	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C2 PFDoA	*82*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C2 PFTeDA	*69*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C3 PFBS	*76*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
18O2 PFHxS	*80*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C4 PFOS	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
13C8 FOSA	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:01*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S53
Lab Sample ID: 180-159407-6
Date Collected: 07/17/23 15:45
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 85.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.054	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.048	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.062	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.026	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.056	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.049	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.034	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.057	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.050	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.061	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.027	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.056	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1
8:2 FTS	ND		0.23	0.041	ug/Kg	☼	07/19/23 04:29	07/22/23 14:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C5 PFPeA	*99*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C2 PFHxA	*101*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C4 PFHpA	*98*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C4 PFOA	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C5 PFNA	*82*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C2 PFDA	*77*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C2 PFUnA	*71*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C2 PFDoA	*72*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C2 PFTeDA	*69*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C3 PFBS	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
18O2 PFHxS	*88*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C4 PFOS	*75*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
13C8 FOSA	*78*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
d3-NMeFOSAA	*66*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
d5-NEtFOSAA	*70*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*
M2-8:2 FTS	*60*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:11*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B14
Lab Sample ID: 180-159407-8
Date Collected: 07/17/23 15:55
Matrix: Solid
Date Received: 07/18/23 09:20
Percent Solids: 88.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorotridecanoic acid (PFTriA)	**0.023**	**J**	0.21	0.023	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.053	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1
8:2 FTS	ND		0.21	0.038	ug/Kg	☼	07/19/23 04:29	07/22/23 14:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C4 PFOA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C5 PFNA	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C2 PFDA	*76*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C2 PFUnA	*60*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C2 PFDoA	*57*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C2 PFTeDA	*56*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C3 PFBS	*76*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
18O2 PFHxS	*84*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C4 PFOS	*72*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
13C8 FOSA	*67*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
d3-NMeFOSAA	*56*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
d5-NEtFOSAA	*52*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
M2-6:2 FTS	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*
M2-8:2 FTS	*63*		*25 - 150*	*07/19/23 04:29*	*07/22/23 14:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-691916/1-A
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
6:2 FTS	0.0652	J	0.20	0.027	ug/Kg		07/19/23 04:29	07/22/23 12:39	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/19/23 04:29	07/22/23 12:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFHxA	*91*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C4 PFHpA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C4 PFOA	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C5 PFNA	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFUnA	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFDoA	*76*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C3 PFBS	*85*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
18O2 PFHxS	*81*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C4 PFOS	*83*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
13C8 FOSA	*77*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*07/19/23 04:29*	*07/22/23 12:39*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-691916/2-A
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.75		ug/Kg		88	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.93		ug/Kg		96	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.83		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.90		ug/Kg		95	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.80		ug/Kg		90	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.09		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.83		ug/Kg		92	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.71		ug/Kg		86	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.74		ug/Kg		87	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.73		ug/Kg		97	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.71		ug/Kg		89	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.63		ug/Kg		87	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.68		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.85		ug/Kg		93	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.92		ug/Kg		96	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.71		ug/Kg		86	72 - 132
6:2 FTS	1.90	1.74		ug/Kg		91	73 - 139
8:2 FTS	1.92	1.81		ug/Kg		94	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*95*		*25 - 150*
13C5 PFNA	*92*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*89*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*86*		*25 - 150*
13C3 PFBS	*91*		*25 - 150*
18O2 PFHxS	*92*		*25 - 150*
13C4 PFOS	*95*		*25 - 150*
13C8 FOSA	*85*		*25 - 150*
d3-NMeFOSAA	*88*		*25 - 150*
d5-NEtFOSAA	*95*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-691916/2-A
Matrix: Solid
Analysis Batch: 693238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691916

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	95		25 - 150
M2-8:2 FTS	87		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159407-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 691916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	SHAKE	
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	SHAKE	
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	SHAKE	
MB 320-691916/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-691916/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 693238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159407-2	SSHS-ISMP-NAF-UT-S50	Total/NA	Solid	537 (modified)	691916
180-159407-6	SSHS-ISMP-NAF-UT-S53	Total/NA	Solid	537 (modified)	691916
180-159407-8	SSHS-ISMP-NAF-UT-B14	Total/NA	Solid	537 (modified)	691916
MB 320-691916/1-A	Method Blank	Total/NA	Solid	537 (modified)	691916
LCS 320-691916/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	691916

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S49	7/17/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S50	7/17/23	1530	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S51	7/17/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP14A	7/17/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S52	7/17/23	1540	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S53	7/17/23	1545	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S54	7/17/23	1550	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B14	7/17/23	1555	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B15	7/17/23	1600	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B16	7/17/23	1605	G	S	N	N	X	X	X	X			6	

180-159407 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Meredith Johnson	7/17/23/1800	Company: Geosyntec		7/18/23 09:20	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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7/25/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

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Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
	M STELMACH	Dunlap, David A		180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S49	7/17/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S50	7/17/23	1530	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S51	7/17/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP14A	7/17/23		G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S52	7/17/23	1540	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S53	7/17/23	1545	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S54	7/17/23	1550	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B14	7/17/23	1555	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B15	7/17/23	1600	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B16	7/17/23	1605	G	S	N	N	X	X	X	X			6	

180-159406 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Mwaude	Date/Time: 7/17/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/18/23 1020	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.9

Ver 01/16/2019

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Sacramento Sample Receiving Notes

180-159407 Field Sheet

Job _____

Tracking # 7727 3624 0637

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID L10 Corr Factor (+ / -) _____ °C

Ice — Wet _____ Gel _____ Other _____

Cooler Custody Seal — _____

Cooler ID — _____

Temp Observed 3.4 °C Corrected 3.4 °C

From Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials JF Date 7/18/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Containers are not broken or leaking?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples require splitting/compositing?	☐	☑	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials TT Date 07/18/23

Notes _____

Trizma Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SD Date 7/18/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159407-2

Login Number: 159407
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159407-2

Login Number: 159407
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 07/18/23 07:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159478-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159478-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159478-1

Receipt
The samples were received on 7/19/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.2º C, 2.2º C, 2.3º C, 2.4º C, 2.9º C and 3.7º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 for the following samples was above the control limits: SSHS-ISMP-NAF-UT-S71 (180-159478-3) and SSHS-ISMP-NAF-DUP17A (180-159478-11). As the surrogate was high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440837 was above criteria for the following analytes: Chloromethane, Methyl acetate, and Trichlorofluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S76 (180-159478-12) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440941 was above criteria for the following analytes: Bis(2-chloroethoxy)methane, Butyl benzyl phthalate and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S76 (180-159478-12) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S76 (180-159478-12) had the recoveries of mercury above the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159478-1	SSHS-ISMP-NAF-UT-S70	Solid	07/18/23 14:15	07/19/23 09:15
180-159478-2	SSHS-ISMP-NAF-DUP16A	Solid	07/18/23 00:00	07/19/23 09:15
180-159478-3	SSHS-ISMP-NAF-UT-S71	Solid	07/18/23 14:20	07/19/23 09:15
180-159478-4	SSHS-ISMP-NAF-UT-S72	Solid	07/18/23 14:25	07/19/23 09:15
180-159478-5	SSHS-ISMP-NAF-UT-B21	Solid	07/18/23 14:30	07/19/23 09:15
180-159478-6	SSHS-ISMP-NAF-UT-S73	Solid	07/18/23 14:35	07/19/23 09:15
180-159478-7	SSHS-ISMP-NAF-UT-S74	Solid	07/18/23 14:40	07/19/23 09:15
180-159478-8	SSHS-ISMP-NAF-UT-B22	Solid	07/18/23 14:45	07/19/23 09:15
180-159478-9	SSHS-ISMP-NAF-UT-S75	Solid	07/18/23 14:50	07/19/23 09:15
180-159478-10	SSHS-ISMP-NAF-UT-B23	Solid	07/18/23 14:55	07/19/23 09:15
180-159478-11	SSHS-ISMP-NAF-DUP17A	Solid	07/18/23 00:00	07/19/23 09:15
180-159478-12	SSHS-ISMP-NAF-UT-S76	Solid	07/18/23 15:00	07/19/23 09:15

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-ISMP-NAF-UT-S70
Lab Sample ID: 180-159478-1
Date Collected: 07/18/23 14:15
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S70
Lab Sample ID: 180-159478-1
Date Collected: 07/18/23 14:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0032 g	5.0 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 03:52	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 16:48	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 10:03	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:18	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Lab Sample ID: 180-159478-2
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Lab Sample ID: 180-159478-2
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0302 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 04:14	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 17:10	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Lab Sample ID: 180-159478-2
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 10:21	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:17	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3
Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3
Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0078 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 04:37	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 17:32	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 10:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.53 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:33	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:16	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4
Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4
Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1629 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 04:59	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 17:55	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 10:56	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:28	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:15	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2264 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 05:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 18:17	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 11:14	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.81 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:23	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:13	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6
Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6
Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6059 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 05:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 18:40	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 11:32	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.57 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:18	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:12	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7
Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7
Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3478 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 06:08	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 19:02	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 11:49	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:13	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8
Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8
Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6627 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 06:30	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 19:25	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8
Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 12:07	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.57 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 11:08	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4637 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 06:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 19:47	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 13:00	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 10:53	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:06	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B23
Lab Sample ID: 180-159478-10
Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B23
Lab Sample ID: 180-159478-10
Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3319 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 07:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 20:10	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.5 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 13:18	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.64 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 10:48	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:05	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 07:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 20:32	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 13:35	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.56 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 10:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12
Date Collected: 07/18/23 15:00
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440821	07/19/23 13:53	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12
Date Collected: 07/18/23 15:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7236 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440837	07/20/23 00:50	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440901	07/20/23 08:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 15:41	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440900	07/20/23 08:00	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440992	07/21/23 04:46	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440993	07/21/23 04:47	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440995	07/21/23 09:10	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	440799	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 10:18	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440812	07/20/23 10:00	SJM	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 10:01	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - PJJ = Patrick Journet
  - SJM = Shannon Mueller
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - AAS = Ariana Swick
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - SNR = Sabra Richart
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S70
Lab Sample ID: 180-159478-1
Date Collected: 07/18/23 14:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		31	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Benzene	ND		6.2	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Bromoform	ND		6.2	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Bromomethane	ND		6.2	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
2-Butanone (MEK)	ND		31	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Carbon disulfide	ND		6.2	5.0	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Carbon tetrachloride	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Chlorobenzene	ND		6.2	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Chlorobromomethane	ND		6.2	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Chlorodibromomethane	ND		6.2	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Chloroethane	ND		6.2	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Chloroform	ND		6.2	4.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Chloromethane	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
cis-1,2-Dichloroethene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
cis-1,3-Dichloropropene	ND		6.2	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Cyclohexane	ND		6.2	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2-Dibromo-3-Chloropropane	ND		6.2	4.0	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2-Dibromoethane	ND		6.2	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2-Dichlorobenzene	ND		6.2	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,3-Dichlorobenzene	ND		6.2	3.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,4-Dichlorobenzene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Dichlorobromomethane	ND		6.2	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Dichlorodifluoromethane	ND		6.2	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,1-Dichloroethane	ND		6.2	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2-Dichloroethane	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,1-Dichloroethene	ND		6.2	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2-Dichloroethene, Total	ND		12	5.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2-Dichloropropane	ND		6.2	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,4-Dioxane	ND		1200	94	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Ethylbenzene	ND		6.2	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
2-Hexanone	ND		31	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Isopropylbenzene	ND		6.2	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Methyl acetate	ND		31	9.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Methylcyclohexane	ND		6.2	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Methylene Chloride	ND		6.2	5.6	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Methyl tert-butyl ether	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
m-Xylene & p-Xylene	ND		6.2	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
o-Xylene	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Styrene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,1,2,2-Tetrachloroethane	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Tetrachloroethene	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Toluene	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
trans-1,2-Dichloroethene	ND		6.2	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
trans-1,3-Dichloropropene	ND		6.2	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2,3-Trichlorobenzene	ND		12	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,2,4-Trichlorobenzene	ND		6.2	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,1,1-Trichloroethane	ND		6.2	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,1,2-Trichloroethane	ND		6.2	1.2	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1

Client Sample ID: SSHS-ISMP-NAF-UT-S70
Lab Sample ID: 180-159478-1
Date Collected: 07/18/23 14:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Trichlorofluoromethane	ND		6.2	5.1	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Vinyl chloride	ND		6.2	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1
Xylenes, Total	ND		12	8.9	ug/Kg	☼	07/19/23 16:00	07/20/23 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*07/19/23 16:00*	*07/20/23 03:52*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*07/19/23 16:00*	*07/20/23 03:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*07/19/23 16:00*	*07/20/23 03:52*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*07/19/23 16:00*	*07/20/23 03:52*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Acenaphthylene	ND		83	18	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Acetophenone	ND		830	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Anthracene	ND		83	21	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Atrazine	ND		830	180	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Benzaldehyde	ND		830	51	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Benzo[a]pyrene	ND		83	36	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Benzo[b]fluoranthene	ND		83	20	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Carbazole	ND		83	19	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Chrysene	ND		83	46	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Dibenzofuran	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S70
Lab Sample ID: 180-159478-1
Date Collected: 07/18/23 14:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Fluoranthene	ND		83	22	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Fluorene	ND		83	16	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Hexachlorobenzene	ND		83	29	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Hexachloroethane	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Isophorone	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2-Methylphenol	ND		410	120	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Naphthalene	ND		83	16	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Nitrobenzene	ND		830	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,2'-oxybis[1-chloropropane]	ND		83	30	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Phenanthrene	ND		83	22	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Phenol	ND		410	120	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
Pyrene	ND		83	19	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/20/23 08:01*	*07/20/23 16:48*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*07/20/23 08:01*	*07/20/23 16:48*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*07/20/23 08:01*	*07/20/23 16:48*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*07/20/23 08:01*	*07/20/23 16:48*	*1*
Terphenyl-d14 (Surr)	*97*		*39 - 105*	*07/20/23 08:01*	*07/20/23 16:48*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*34 - 108*	*07/20/23 08:01*	*07/20/23 16:48*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1221	ND		21	7.3	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1232	ND		21	5.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1242	ND		21	3.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1248	ND		21	5.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1254	ND		21	6.2	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1260	ND		21	5.9	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1

Client Sample ID: SSHS-ISMP-NAF-UT-S70
Lab Sample ID: 180-159478-1
Date Collected: 07/18/23 14:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		21	7.3	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1
PCB-1268	ND		21	2.8	ug/Kg	☼	07/20/23 08:00	07/21/23 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:03*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:03*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:03*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:03*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		21	5.2	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Arsenic	**4.3**		1.0	0.65	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Barium	**91**		21	3.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Beryllium	**0.46**		0.41	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Cadmium	**0.56**		0.52	0.076	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Calcium	**1000**		520	67	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Chromium	**13**		0.52	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Cobalt	**7.4**		5.2	0.73	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Copper	**11**		2.6	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Iron	**17000**		10	10	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Lead	**9.3**		1.0	0.90	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Magnesium	**2600**		520	57	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Manganese	**300**		1.6	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Nickel	**18**		4.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Potassium	**550**		520	88	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Selenium	ND		1.0	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Sodium	ND		520	53	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Thallium	**0.52**	**J**	2.1	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Vanadium	**16**		5.2	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1
Zinc	**60**		2.1	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 11:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.026	mg/Kg	☼	07/20/23 10:00	07/21/23 10:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**19.4**		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	**80.6**		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Lab Sample ID: 180-159478-2
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		31	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Benzene	ND		6.1	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Lab Sample ID: 180-159478-2
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		6.1	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Bromomethane	ND		6.1	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
2-Butanone (MEK)	ND		31	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Carbon disulfide	ND		6.1	4.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Carbon tetrachloride	ND		6.1	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Chlorobenzene	ND		6.1	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Chlorobromomethane	ND		6.1	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Chlorodibromomethane	ND		6.1	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Chloroethane	ND		6.1	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Chloroform	ND		6.1	4.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Chloromethane	ND		6.1	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
cis-1,2-Dichloroethene	ND		6.1	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
cis-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Cyclohexane	ND		6.1	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2-Dibromo-3-Chloropropane	ND		6.1	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2-Dibromoethane	ND		6.1	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2-Dichlorobenzene	ND		6.1	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,3-Dichlorobenzene	ND		6.1	3.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,4-Dichlorobenzene	ND		6.1	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Dichlorobromomethane	ND		6.1	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Dichlorodifluoromethane	ND		6.1	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,1-Dichloroethane	ND		6.1	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2-Dichloroethane	ND		6.1	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,1-Dichloroethene	ND		6.1	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2-Dichloroethene, Total	ND		12	5.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2-Dichloropropane	ND		6.1	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,4-Dioxane	ND		1200	93	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Ethylbenzene	ND		6.1	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
2-Hexanone	ND		31	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Isopropylbenzene	ND		6.1	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Methyl acetate	ND		31	9.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Methylcyclohexane	ND		6.1	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Methylene Chloride	ND		6.1	5.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Methyl tert-butyl ether	ND		6.1	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
m-Xylene & p-Xylene	ND		6.1	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
o-Xylene	ND		6.1	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Styrene	ND		6.1	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,1,2,2-Tetrachloroethane	ND		6.1	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Tetrachloroethene	ND		6.1	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Toluene	ND		6.1	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
trans-1,2-Dichloroethene	ND		6.1	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
trans-1,3-Dichloropropene	ND		6.1	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2,3-Trichlorobenzene	ND		12	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,2,4-Trichlorobenzene	ND		6.1	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,1,1-Trichloroethane	ND		6.1	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
1,1,2-Trichloroethane	ND		6.1	1.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Trichloroethene	ND		6.1	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Trichlorofluoromethane	ND		6.1	5.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Date Collected: 07/18/23 00:00
Date Received: 07/19/23 09:15

Lab Sample ID: 180-159478-2
Matrix: Solid
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Vinyl chloride	ND		6.1	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1
Xylenes, Total	ND		12	8.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*07/19/23 16:00*	*07/20/23 04:14*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*07/19/23 16:00*	*07/20/23 04:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/19/23 16:00*	*07/20/23 04:14*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/19/23 16:00*	*07/20/23 04:14*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Acenaphthylene	ND		81	18	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Acetophenone	ND		810	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Anthracene	ND		81	21	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Atrazine	ND		810	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Benzaldehyde	ND		810	50	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Benzo[a]anthracene	ND		81	36	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Benzo[a]pyrene	ND		81	35	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Benzo[b]fluoranthene	ND		81	20	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Benzo[g,h,i]perylene	ND		81	17	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Benzo[k]fluoranthene	ND		81	24	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Carbazole	ND		81	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2-Chloronaphthalene	ND		81	18	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Chrysene	ND		81	45	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Dibenz(a,h)anthracene	ND		81	51	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Date Collected: 07/18/23 00:00
Date Received: 07/19/23 09:15

Lab Sample ID: 180-159478-2
Matrix: Solid
Percent Solids: 81.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		810	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Fluoranthene	ND		81	21	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Fluorene	ND		81	16	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Hexachlorobutadiene	ND		81	24	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Indeno[1,2,3-cd]pyrene	ND		81	40	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2-Methylnaphthalene	ND		81	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2-Methylphenol	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Naphthalene	ND		81	16	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Nitrobenzene	ND		810	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Pentachlorophenol	ND		2000	650	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Phenanthrene	ND		81	22	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
Pyrene	ND		81	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/20/23 08:01*	*07/20/23 17:10*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*07/20/23 08:01*	*07/20/23 17:10*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*07/20/23 08:01*	*07/20/23 17:10*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*07/20/23 08:01*	*07/20/23 17:10*	*1*
Terphenyl-d14 (Surr)	*94*		*39 - 105*	*07/20/23 08:01*	*07/20/23 17:10*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*07/20/23 08:01*	*07/20/23 17:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.7	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1221	ND		20	7.3	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1232	ND		20	5.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1242	ND		20	3.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1248	ND		20	4.9	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1254	ND		20	6.1	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1260	ND		20	5.8	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1262	ND		20	7.2	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1
PCB-1268	ND		20	2.8	ug/Kg	☼	07/20/23 08:00	07/21/23 10:21	1

Client Sample ID: SSHS-ISMP-NAF-DUP16A
Lab Sample ID: 180-159478-2

Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:21*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:21*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:21*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		22	5.6	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Antimony	ND		1.1	0.34	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Arsenic	**4.5**		1.1	0.70	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Barium	**96**		22	4.0	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Beryllium	**0.49**		0.45	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Cadmium	**0.59**		0.56	0.082	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Calcium	**1200**		560	72	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Chromium	**14**		0.56	0.51	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Cobalt	**7.7**		5.6	0.79	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Copper	**13**		2.8	1.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Iron	**18000**		11	11	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Lead	**9.6**		1.1	0.97	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Magnesium	**2600**		560	61	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Manganese	**350**		1.7	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Nickel	**20**		4.5	0.56	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Potassium	**620**		560	95	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Selenium	ND		1.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Silver	ND		0.56	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Sodium	ND		560	57	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Thallium	**0.67**	**J**	2.2	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Vanadium	**18**		5.6	0.88	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1
Zinc	**67**		2.2	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 11:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.039	0.025	mg/Kg	☼	07/20/23 10:00	07/21/23 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.7**		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	**81.3**		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3

Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		31	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Benzene	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Bromoform	ND		6.2	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Bromomethane	ND		6.2	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
2-Butanone (MEK)	ND		31	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Carbon disulfide	ND		6.2	5.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3
Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Chlorobenzene	ND		6.2	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Chlorobromomethane	ND		6.2	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Chlorodibromomethane	ND		6.2	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Chloroethane	ND		6.2	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Chloroform	ND		6.2	4.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Chloromethane	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
cis-1,2-Dichloroethene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
cis-1,3-Dichloropropene	ND		6.2	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Cyclohexane	ND		6.2	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2-Dibromo-3-Chloropropane	ND		6.2	4.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2-Dibromoethane	ND		6.2	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2-Dichlorobenzene	ND		6.2	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,3-Dichlorobenzene	ND		6.2	3.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,4-Dichlorobenzene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Dichlorobromomethane	ND		6.2	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Dichlorodifluoromethane	ND		6.2	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,1-Dichloroethane	ND		6.2	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2-Dichloroethane	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,1-Dichloroethene	ND		6.2	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2-Dichloroethene, Total	ND		12	5.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2-Dichloropropane	ND		6.2	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,4-Dioxane	ND		1200	94	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Ethylbenzene	ND		6.2	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
2-Hexanone	ND		31	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Isopropylbenzene	ND		6.2	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Methyl acetate	ND		31	9.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Methylcyclohexane	ND		6.2	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Methylene Chloride	ND		6.2	5.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Methyl tert-butyl ether	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
m-Xylene & p-Xylene	ND		6.2	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
o-Xylene	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Styrene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,1,2,2-Tetrachloroethane	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Tetrachloroethene	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Toluene	ND		6.2	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
trans-1,2-Dichloroethene	ND		6.2	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
trans-1,3-Dichloropropene	ND		6.2	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2,3-Trichlorobenzene	ND		12	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,2,4-Trichlorobenzene	ND		6.2	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,1,1-Trichloroethane	ND		6.2	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,1,2-Trichloroethane	ND		6.2	1.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Trichloroethene	ND		6.2	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Trichlorofluoromethane	ND		6.2	5.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Vinyl chloride	ND		6.2	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1
Xylenes, Total	ND		12	9.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:37	1

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3

Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*07/19/23 16:00*	*07/20/23 04:37*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*07/19/23 16:00*	*07/20/23 04:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*	*S1+*	*73 - 135*	*07/19/23 16:00*	*07/20/23 04:37*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*07/19/23 16:00*	*07/20/23 04:37*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Acenaphthylene	ND		83	18	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Acetophenone	ND		830	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Anthracene	ND		83	22	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Atrazine	ND		830	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Benzaldehyde	ND		830	51	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Benzo[a]anthracene	**51**	**J**	83	37	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Benzo[a]pyrene	**44**	**J**	83	36	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Benzo[b]fluoranthene	**42**	**J**	83	20	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Carbazole	ND		83	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Chrysene	**48**	**J**	83	46	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Dibenzofuran	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Fluoranthene	**62**	**J**	83	22	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Fluorene	ND		83	16	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3
Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Hexachloroethane	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Isophorone	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2-Methylphenol	ND		410	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Naphthalene	ND		83	16	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Nitrobenzene	ND		830	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Phenanthrene	**33**	**J**	83	22	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Phenol	ND		410	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
Pyrene	**73**	**J**	83	20	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*07/20/23 08:01*	*07/20/23 17:32*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*07/20/23 08:01*	*07/20/23 17:32*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*	*07/20/23 08:01*	*07/20/23 17:32*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/20/23 08:01*	*07/20/23 17:32*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/20/23 08:01*	*07/20/23 17:32*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*34 - 108*	*07/20/23 08:01*	*07/20/23 17:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1221	ND		21	7.3	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1232	ND		21	5.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1242	ND		21	3.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1248	ND		21	5.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1254	ND		21	6.2	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1260	ND		21	5.9	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1262	ND		21	7.3	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1
PCB-1268	ND		21	2.8	ug/Kg	☼	07/20/23 08:00	07/21/23 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:39*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:39*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:39*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S71
Lab Sample ID: 180-159478-3
Date Collected: 07/18/23 14:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*79*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		23	5.9	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Antimony	**0.60**	**J**	1.2	0.36	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Arsenic	**7.7**		1.2	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Barium	**120**		23	4.2	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Beryllium	**0.50**		0.47	0.13	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Cadmium	**0.68**		0.59	0.086	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Calcium	**4900**		590	76	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Chromium	**13**		0.59	0.53	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Cobalt	**7.3**		5.9	0.83	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Copper	**22**		2.9	1.8	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Iron	**18000**		12	11	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Lead	**36**		1.2	1.0	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Magnesium	**2800**		590	64	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Manganese	**710**		1.8	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Nickel	**17**		4.7	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Potassium	**590**		590	100	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Selenium	ND		1.2	0.54	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Silver	ND		0.59	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Sodium	ND		590	60	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Thallium	**0.63**	**J**	2.3	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Vanadium	**19**		5.9	0.93	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1
Zinc	**75**		2.3	1.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.063**		0.041	0.026	mg/Kg	☼	07/20/23 10:00	07/21/23 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**19.6**		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	**80.4**		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4
Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Benzene	ND		6.0	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Bromomethane	ND		6.0	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Carbon tetrachloride	ND		6.0	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4
Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Chloroform	ND		6.0	4.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
cis-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2-Dibromoethane	ND		6.0	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,4-Dioxane	ND		1200	92	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Methyl acetate	ND		30	8.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Methylene Chloride	ND		6.0	5.5	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
m-Xylene & p-Xylene	ND		6.0	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Styrene	ND		6.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Toluene	ND		6.0	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,2,4-Trichlorobenzene	ND		6.0	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Vinyl chloride	ND		6.0	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	07/19/23 16:00	07/20/23 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/19/23 16:00*	*07/20/23 04:59*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/19/23 16:00*	*07/20/23 04:59*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4

Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*07/19/23 16:00*	*07/20/23 04:59*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/19/23 16:00*	*07/20/23 04:59*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	23	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Acenaphthylene	ND		82	18	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Acetophenone	ND		820	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Anthracene	ND		82	21	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Atrazine	ND		820	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Benzaldehyde	ND		820	50	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Benzo[a]anthracene	ND		82	37	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Benzo[a]pyrene	ND		82	35	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Benzo[b]fluoranthene	ND		82	20	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Benzo[g,h,i]perylene	ND		82	18	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Benzo[k]fluoranthene	ND		82	24	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Caprolactam	ND		2100	260	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Carbazole	ND		82	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4-Chlorophenyl phenyl ether	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Chrysene	ND		82	45	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Dibenz(a,h)anthracene	ND		82	52	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,4-Dichlorophenol	ND		82	31	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4,6-Dinitro-2-methylphenol	ND		2100	700	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
1,4-Dioxane	ND		820	130	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Fluoranthene	ND		82	21	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Fluorene	ND		82	16	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4
Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Indeno[1,2,3-cd]pyrene	ND		82	40	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2-Methylnaphthalene	ND		82	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2-Methylphenol	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Naphthalene	ND		82	16	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Nitrobenzene	ND		820	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
4-Nitrophenol	ND		2100	280	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
N-Nitrosodi-n-propylamine	ND		82	27	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
N-Nitrosodiphenylamine	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Pentachlorophenol	ND		2100	650	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Phenanthrene	ND		82	22	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
Pyrene	ND		82	19	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1
2,4,6-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/20/23 08:01*	*07/20/23 17:55*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/20/23 08:01*	*07/20/23 17:55*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*07/20/23 08:01*	*07/20/23 17:55*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*07/20/23 08:01*	*07/20/23 17:55*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*07/20/23 08:01*	*07/20/23 17:55*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*34 - 108*	*07/20/23 08:01*	*07/20/23 17:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1221	ND		20	7.2	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1232	ND		20	5.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1242	ND		20	3.0	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1248	ND		20	4.9	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1254	ND		20	6.1	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1260	ND		20	5.8	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1262	ND		20	7.2	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 08:00	07/21/23 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:56*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*63 - 138*	*07/20/23 08:00*	*07/21/23 10:56*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:56*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*07/20/23 08:00*	*07/21/23 10:56*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S72
Lab Sample ID: 180-159478-4
Date Collected: 07/18/23 14:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Antimony	0.30	J	0.95	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Arsenic	5.0		0.95	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Barium	100		19	3.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Beryllium	0.52		0.38	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Cadmium	0.63		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Calcium	1400		470	61	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Chromium	14		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Cobalt	8.0		4.7	0.67	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Copper	13		2.4	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Iron	19000		9.5	9.2	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Lead	10		0.95	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Magnesium	2700		470	52	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Manganese	380		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Nickel	20		3.8	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Potassium	580		470	81	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Selenium	ND		0.95	0.44	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Silver	ND		0.47	0.098	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Sodium	ND		470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Thallium	0.61	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Vanadium	18		4.7	0.75	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1
Zinc	61		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.039	0.025	mg/Kg	☼	07/20/23 10:00	07/21/23 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	19.9		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	80.1		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Benzene	ND		5.8	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Carbon tetrachloride	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,4-Dioxane	ND		1200	88	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Styrene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Toluene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*07/19/23 16:00*	*07/20/23 05:22*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/19/23 16:00*	*07/20/23 05:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*07/19/23 16:00*	*07/20/23 05:22*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/19/23 16:00*	*07/20/23 05:22*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5

Date Collected: 07/18/23 14:30
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 82.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Acenaphthylene	ND		80	18	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Acetophenone	ND		800	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Anthracene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Atrazine	ND		800	180	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Benzaldehyde	ND		800	50	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Benzo[a]anthracene	**51**	**J**	80	36	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Benzo[a]pyrene	ND		80	35	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Benzo[b]fluoranthene	**44**	**J**	80	20	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Bis(2-chloroethyl)ether	ND		80	15	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Butyl benzyl phthalate	ND		400	270	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Carbazole	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Chrysene	ND		80	44	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Fluoranthene	**73**	**J**	80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Fluorene	ND		80	16	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2-Methylphenol	ND		400	110	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5

Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Naphthalene	ND		80	16	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Phenanthrene	**40**	**J**	80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
Pyrene	**72**	**J**	80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*07/20/23 08:01*	*07/20/23 18:17*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*07/20/23 08:01*	*07/20/23 18:17*	*1*
Nitrobenzene-d5 (Surr)	*95*		*46 - 105*	*07/20/23 08:01*	*07/20/23 18:17*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/20/23 08:01*	*07/20/23 18:17*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*07/20/23 08:01*	*07/20/23 18:17*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*07/20/23 08:01*	*07/20/23 18:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1260	**48**		20	5.7	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1262	ND		20	7.1	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 08:00	07/21/23 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*07/20/23 08:00*	*07/21/23 11:14*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/20/23 08:00*	*07/21/23 11:14*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/20/23 08:00*	*07/21/23 11:14*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*07/20/23 08:00*	*07/21/23 11:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		15	3.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Antimony	**0.37**	**J**	0.75	0.23	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B21
Lab Sample ID: 180-159478-5
Date Collected: 07/18/23 14:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.3		0.75	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Barium	83		15	2.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Beryllium	0.46		0.30	0.081	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Cadmium	0.81		0.37	0.055	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Calcium	27000		370	48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Chromium	13		0.37	0.34	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Cobalt	8.8		3.7	0.53	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Copper	26		1.9	1.1	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Iron	20000		7.5	7.3	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Lead	31		0.75	0.65	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Magnesium	6900		370	41	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Manganese	560		1.1	0.21	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Nickel	20		3.0	0.38	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Potassium	680		370	63	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Selenium	ND		0.75	0.34	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Silver	ND		0.37	0.078	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Sodium	68	J	370	38	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Thallium	0.25	J	1.5	0.21	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Vanadium	17		3.7	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1
Zinc	67		1.5	1.1	mg/Kg	☼	07/20/23 08:13	07/24/23 11:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.039	0.025	mg/Kg	☼	07/20/23 10:00	07/21/23 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.3		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	82.7		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6
Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Benzene	ND		4.8	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Carbon disulfide	ND		4.8	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6
Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,4-Dichlorobenzene	ND		4.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Dichlorobromomethane	ND		4.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2-Dichloroethene, Total	ND		9.7	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,4-Dioxane	ND		970	73	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Methylene Chloride	ND		4.8	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Styrene	ND		4.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Toluene	ND		4.8	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,2,4-Trichlorobenzene	ND		4.8	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	07/19/23 16:00	07/20/23 05:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*07/19/23 16:00*	*07/20/23 05:45*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*07/19/23 16:00*	*07/20/23 05:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*	*07/19/23 16:00*	*07/20/23 05:45*	*1*
Toluene-d8 (Surr)	*128*		*67 - 134*	*07/19/23 16:00*	*07/20/23 05:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**43**	**J**	73	21	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6
Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**1200**		73	16	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Acetophenone	ND		730	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Anthracene	**840**		73	19	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Atrazine	ND		730	160	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Benzo[a]anthracene	**2800**		73	33	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Benzo[a]pyrene	**2700**		73	31	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Benzo[b]fluoranthene	**3400**		73	18	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Benzo[g,h,i]perylene	**2900**		73	16	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Benzo[k]fluoranthene	**1300**		73	22	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Caprolactam	ND		1800	240	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Carbazole	**170**		73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Chrysene	**3300**		73	40	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Dibenz(a,h)anthracene	**730**		73	46	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Fluoranthene	**3300**		73	19	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Fluorene	**110**		73	14	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Indeno[1,2,3-cd]pyrene	**2100**		73	36	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Isophorone	ND		360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2-Methylnaphthalene	**260**		73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6
Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**390**		73	14	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Phenanthrene	**1300**		73	19	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Phenol	ND		360	110	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
Pyrene	**4300**		73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*07/20/23 08:01*	*07/20/23 18:40*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/20/23 08:01*	*07/20/23 18:40*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*07/20/23 08:01*	*07/20/23 18:40*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*07/20/23 08:01*	*07/20/23 18:40*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/20/23 08:01*	*07/20/23 18:40*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*07/20/23 08:01*	*07/20/23 18:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/20/23 08:00	07/21/23 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/20/23 08:00*	*07/21/23 11:32*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/20/23 08:00*	*07/21/23 11:32*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/20/23 08:00*	*07/21/23 11:32*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/20/23 08:00*	*07/21/23 11:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		19	4.8	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Antimony	**0.44**	**J**	0.95	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Arsenic	**9.2**		0.95	0.60	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-S73
Lab Sample ID: 180-159478-6

Date Collected: 07/18/23 14:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110		19	3.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Beryllium	0.51		0.38	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Cadmium	1.3		0.48	0.070	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Calcium	7600		480	62	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Chromium	12		0.48	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Cobalt	6.0		4.8	0.67	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Copper	67		2.4	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Iron	21000		9.5	9.3	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Lead	74		0.95	0.83	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Magnesium	2800		480	52	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Manganese	240		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Nickel	23		3.8	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Potassium	470	J	480	81	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Selenium	ND		0.95	0.44	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Silver	ND		0.48	0.099	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Sodium	130	J	480	49	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Vanadium	16		4.8	0.75	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1
Zinc	140		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.083		0.034	0.022	mg/Kg	☼	07/20/23 10:00	07/21/23 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.9		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	92.1		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7

Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7
Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/19/23 16:00*	*07/20/23 06:08*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*07/19/23 16:00*	*07/20/23 06:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*07/19/23 16:00*	*07/20/23 06:08*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*07/19/23 16:00*	*07/20/23 06:08*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Acenaphthylene	**75**	**J**	78	17	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7
Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 85.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		780	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Anthracene	**100**		78	20	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Atrazine	ND		780	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Benzaldehyde	ND		780	48	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Benzo[a]anthracene	**510**		78	35	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Benzo[a]pyrene	**410**		78	34	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Benzo[b]fluoranthene	**420**		78	19	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Benzo[g,h,i]perylene	**260**		78	17	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Benzo[k]fluoranthene	**220**		78	23	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Carbazole	**27**	**J**	78	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Chrysene	**510**		78	43	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Fluoranthene	**810**		78	21	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Fluorene	ND		78	15	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Indeno[1,2,3-cd]pyrene	**270**		78	39	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Naphthalene	**37**	**J**	78	15	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7
Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 85.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Phenanthrene	**330**		78	21	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
Pyrene	**710**		78	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*07/20/23 08:01*	*07/20/23 19:02*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/20/23 08:01*	*07/20/23 19:02*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*07/20/23 08:01*	*07/20/23 19:02*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/20/23 08:01*	*07/20/23 19:02*	*1*
Terphenyl-d14 (Surr)	*58*		*39 - 105*	*07/20/23 08:01*	*07/20/23 19:02*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*07/20/23 08:01*	*07/20/23 19:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/20/23 08:00	07/21/23 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/20/23 08:00*	*07/21/23 11:49*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/20/23 08:00*	*07/21/23 11:49*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/20/23 08:00*	*07/21/23 11:49*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*07/20/23 08:00*	*07/21/23 11:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Antimony	ND		0.94	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Arsenic	**5.7**		0.94	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Barium	**100**		19	3.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1

Client Sample ID: SSHS-ISMP-NAF-UT-S74
Lab Sample ID: 180-159478-7

Date Collected: 07/18/23 14:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 85.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.39		0.38	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Cadmium	0.87		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Calcium	1500		470	61	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Chromium	10		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Cobalt	6.3		4.7	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Copper	53		2.4	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Iron	16000		9.4	9.2	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Lead	61		0.94	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Magnesium	1900		470	52	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Manganese	490		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Nickel	48		3.8	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Potassium	480		470	80	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Selenium	ND		0.94	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Silver	ND		0.47	0.098	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Sodium	ND		470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Thallium	0.39	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Vanadium	15		4.7	0.75	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1
Zinc	220		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 11:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.038	0.024	mg/Kg	☼	07/20/23 10:00	07/21/23 10:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.5		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	85.5		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8

Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8
Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Toluene	ND		5.0	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*07/19/23 16:00*	*07/20/23 06:30*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*07/19/23 16:00*	*07/20/23 06:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*07/19/23 16:00*	*07/20/23 06:30*	*1*
Toluene-d8 (Surr)	*111*		*67 - 134*	*07/19/23 16:00*	*07/20/23 06:30*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Acenaphthylene	**28**	**J**	77	17	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Acetophenone	ND		770	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8
Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**45**	**J**	77	20	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Atrazine	ND		770	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Benzaldehyde	ND		770	47	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Benzo[a]anthracene	**200**		77	34	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Benzo[a]pyrene	**140**		77	33	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Benzo[b]fluoranthene	**170**		77	19	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Benzo[g,h,i]perylene	**130**		77	16	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Benzo[k]fluoranthene	**74**	**J**	77	23	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Carbazole	ND		77	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2-Chloronaphthalene	ND		77	17	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Chrysene	**180**		77	42	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Fluoranthene	**280**		77	20	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Fluorene	ND		77	15	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Indeno[1,2,3-cd]pyrene	**120**		77	38	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Isophorone	ND		380	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Naphthalene	ND		77	15	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1

Client Sample ID: SSHS-ISMP-NAF-UT-B22
Lab Sample ID: 180-159478-8

Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Phenanthrene	**130**		77	20	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Phenol	ND		380	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
Pyrene	**280**		77	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/20/23 08:01*	*07/20/23 19:25*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*07/20/23 08:01*	*07/20/23 19:25*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*07/20/23 08:01*	*07/20/23 19:25*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/20/23 08:01*	*07/20/23 19:25*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*07/20/23 08:01*	*07/20/23 19:25*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/20/23 08:01*	*07/20/23 19:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1248	ND		19	4.4	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/20/23 08:00	07/21/23 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/20/23 08:00*	*07/21/23 12:07*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/20/23 08:00*	*07/21/23 12:07*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/20/23 08:00*	*07/21/23 12:07*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/20/23 08:00*	*07/21/23 12:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		20	5.0	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Antimony	ND		1.0	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Arsenic	**6.0**		1.0	0.63	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Barium	**110**		20	3.6	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Beryllium	**0.45**		0.40	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1

Client Sample ID: SSHS-ISMP-NAF-UT-B22

Lab Sample ID: 180-159478-8
Date Collected: 07/18/23 14:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.68		0.50	0.074	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Calcium	1800		500	65	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Chromium	11		0.50	0.46	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Cobalt	7.6		5.0	0.71	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Copper	38		2.5	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Iron	18000		10	9.8	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Lead	58		1.0	0.87	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Magnesium	1800		500	55	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Manganese	1200		1.5	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Nickel	17		4.0	0.50	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Potassium	490	J	500	85	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Selenium	ND		1.0	0.46	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Sodium	ND		500	51	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Thallium	0.47	J	2.0	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Vanadium	16		5.0	0.79	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1
Zinc	88		2.0	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 11:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.037	0.024	mg/Kg	☼	07/20/23 10:00	07/21/23 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.4		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	87.6		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S75

Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11	J	27	4.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/19/23 16:00	07/20/23 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/19/23 16:00*	*07/20/23 06:53*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*07/19/23 16:00*	*07/20/23 06:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*07/19/23 16:00*	*07/20/23 06:53*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*07/19/23 16:00*	*07/20/23 06:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Acetophenone	ND		750	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Anthracene	ND		75	19	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		750	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Carbazole	ND		75	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Chrysene	ND		75	42	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Fluoranthene	**23**	**J**	75	20	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Fluorene	ND		75	15	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Isophorone	ND		370	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Naphthalene	ND		75	15	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9
Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Phenol	ND		370	110	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
Pyrene	**20**	**J**	75	18	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/20/23 08:01	07/20/23 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/20/23 08:01*	*07/20/23 19:47*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*07/20/23 08:01*	*07/20/23 19:47*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*07/20/23 08:01*	*07/20/23 19:47*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*07/20/23 08:01*	*07/20/23 19:47*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*07/20/23 08:01*	*07/20/23 19:47*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*07/20/23 08:01*	*07/20/23 19:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/20/23 08:00	07/21/23 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*07/20/23 08:00*	*07/21/23 13:00*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*07/20/23 08:00*	*07/21/23 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*07/20/23 08:00*	*07/21/23 13:00*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*07/20/23 08:00*	*07/21/23 13:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Antimony	ND		0.94	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Arsenic	**5.6**		0.94	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Barium	**100**		19	3.3	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Beryllium	**0.43**		0.37	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Cadmium	**0.64**		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S75
Lab Sample ID: 180-159478-9

Date Collected: 07/18/23 14:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 86.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	17000		470	60	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Chromium	11		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Cobalt	7.5		4.7	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Copper	23		2.3	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Iron	17000		9.4	9.1	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Lead	86		0.94	0.81	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Magnesium	4600		470	51	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Manganese	630		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Nickel	18		3.7	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Potassium	630		470	80	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Selenium	ND		0.94	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Sodium	55	J	470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Thallium	0.32	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Vanadium	16		4.7	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1
Zinc	64		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 10:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.038	0.024	mg/Kg	☼	07/20/23 10:00	07/21/23 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.8		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	86.2		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-B23
Lab Sample ID: 180-159478-10

Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Benzene	ND		5.8	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Carbon tetrachloride	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
cis-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B23
Lab Sample ID: 180-159478-10
Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,3-Dichlorobenzene	ND		5.8	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,1-Dichloroethane	ND		5.8	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,4-Dioxane	ND		1200	87	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Styrene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Toluene	ND		5.8	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Vinyl chloride	ND		5.8	4.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*	*07/19/23 16:00*	*07/20/23 07:16*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*07/19/23 16:00*	*07/20/23 07:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*07/19/23 16:00*	*07/20/23 07:16*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*07/19/23 16:00*	*07/20/23 07:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Acenaphthylene	ND		80	17	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Acetophenone	ND		800	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Anthracene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Atrazine	ND		800	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B23
Lab Sample ID: 180-159478-10
Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		800	50	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Benzo[a]pyrene	ND		80	35	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Benzo[b]fluoranthene	ND		80	20	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Bis(2-ethylhexyl) phthalate	ND		4000	420	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Butyl benzyl phthalate	ND		400	270	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Carbazole	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4-Chloroaniline	ND		400	100	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Chrysene	ND		80	44	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Di-n-butyl phthalate	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Fluoranthene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Fluorene	ND		80	16	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2-Methylphenol	ND		400	110	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Naphthalene	ND		80	16	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-B23
Lab Sample ID: 180-159478-10

Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		800	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Phenanthrene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
Pyrene	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*07/20/23 08:01*	*07/20/23 20:10*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/20/23 08:01*	*07/20/23 20:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*07/20/23 08:01*	*07/20/23 20:10*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*07/20/23 08:01*	*07/20/23 20:10*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/20/23 08:01*	*07/20/23 20:10*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*07/20/23 08:01*	*07/20/23 20:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 08:00	07/21/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*07/20/23 08:00*	*07/21/23 13:18*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/20/23 08:00*	*07/21/23 13:18*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/20/23 08:00*	*07/21/23 13:18*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*07/20/23 08:00*	*07/21/23 13:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	4.8	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Antimony	ND		0.96	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Arsenic	**5.6**		0.96	0.60	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Barium	**120**		19	3.4	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Beryllium	**0.43**		0.38	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Cadmium	**0.50**		0.48	0.070	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Calcium	**1900**		480	62	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B23

Lab Sample ID: 180-159478-10
Date Collected: 07/18/23 14:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11		0.48	0.44	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Cobalt	6.3		4.8	0.68	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Copper	13		2.4	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Iron	15000		9.6	9.4	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Lead	19		0.96	0.84	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Magnesium	2000		480	53	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Manganese	600		1.4	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Nickel	14		3.8	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Potassium	480		480	82	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Selenium	ND		0.96	0.44	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Sodium	ND		480	49	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Thallium	0.45	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Vanadium	16		4.8	0.76	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1
Zinc	49		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 10:48	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036	J	0.041	0.026	mg/Kg	☼	07/20/23 10:00	07/21/23 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.6		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	81.4		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-DUP17A

Lab Sample ID: 180-159478-11
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11

Date Collected: 07/18/23 00:00
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 83.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/19/23 16:00	07/20/23 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/19/23 16:00*	*07/20/23 07:38*	*1*
Dibromofluoromethane (Surr)	*119*		*69 - 126*	*07/19/23 16:00*	*07/20/23 07:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*	*S1+*	*73 - 135*	*07/19/23 16:00*	*07/20/23 07:38*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*07/19/23 16:00*	*07/20/23 07:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Acenaphthylene	ND		80	17	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Acetophenone	ND		800	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Anthracene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Atrazine	ND		800	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Benzaldehyde	ND		800	49	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Benzo[a]pyrene	ND		80	34	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Benzo[b]fluoranthene	ND		80	20	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Carbazole	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Chrysene	ND		80	44	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Fluoranthene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Fluorene	ND		80	16	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Hexachlorobenzene	ND		80	28	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Naphthalene	ND		80	15	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Phenanthrene	ND		80	21	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
Pyrene	ND		80	19	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 08:01	07/20/23 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*07/20/23 08:01*	*07/20/23 20:32*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/20/23 08:01*	*07/20/23 20:32*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*07/20/23 08:01*	*07/20/23 20:32*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*07/20/23 08:01*	*07/20/23 20:32*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/20/23 08:01*	*07/20/23 20:32*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*07/20/23 08:01*	*07/20/23 20:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 08:00	07/21/23 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/20/23 08:00*	*07/21/23 13:35*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*07/20/23 08:00*	*07/21/23 13:35*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*07/20/23 08:00*	*07/21/23 13:35*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*07/20/23 08:00*	*07/21/23 13:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		21	5.3	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Antimony	ND		1.1	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Arsenic	**6.1**		1.1	0.67	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Barium	**150**		21	3.8	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Beryllium	**0.51**		0.43	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Cadmium	**0.63**		0.54	0.079	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Calcium	**3500**		540	69	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Chromium	**13**		0.54	0.49	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1

Client Sample ID: SSHS-ISMP-NAF-DUP17A
Lab Sample ID: 180-159478-11

Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**7.2**		5.4	0.75	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Copper	**16**		2.7	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Iron	**18000**		11	10	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Lead	**22**		1.1	0.93	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Magnesium	**2500**		540	59	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Manganese	**620**		1.6	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Nickel	**18**		4.3	0.54	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Potassium	**600**		540	91	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Selenium	ND		1.1	0.49	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Silver	ND		0.54	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Sodium	ND		540	55	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Thallium	**0.49**	**J**	2.1	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Vanadium	**17**		5.4	0.85	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1
Zinc	**63**		2.1	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 10:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.038	0.025	mg/Kg	☼	07/20/23 10:00	07/21/23 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.7**		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	**83.3**		0.1	0.1	%			07/19/23 13:53	1

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12

Date Collected: 07/18/23 15:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.8	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Benzene	ND		4.9	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12
Date Collected: 07/18/23 15:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
2-Hexanone	ND		25	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Styrene	ND		4.9	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Toluene	ND		4.9	1.4	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	07/19/23 16:00	07/20/23 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*07/19/23 16:00*	*07/20/23 00:50*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*07/19/23 16:00*	*07/20/23 00:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*	*07/19/23 16:00*	*07/20/23 00:50*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*07/19/23 16:00*	*07/20/23 00:50*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Acenaphthylene	ND	F1	73	16	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Acetophenone	ND		730	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Anthracene	ND	F1	73	19	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Atrazine	ND	F1	730	160	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Benzaldehyde	ND	F1	730	45	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Benzo[a]anthracene	**39**	**J F1**	73	33	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12
Date Collected: 07/18/23 15:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**33**	**J**	73	31	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Benzo[b]fluoranthene	**41**	**J**	73	18	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Benzo[g,h,i]perylene	ND		73	16	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Bis(2-chloroethoxy)methane	ND	F1	360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Bis(2-ethylhexyl) phthalate	ND	F1	3600	390	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
4-Bromophenyl phenyl ether	ND	F1	360	150	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Butyl benzyl phthalate	ND	F1	360	250	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Carbazole	ND		73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
4-Chloro-3-methylphenol	ND	F1	360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
4-Chlorophenyl phenyl ether	ND	F1	360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Chrysene	**97**	**F1**	73	40	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Dibenz(a,h)anthracene	ND	F1	73	46	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Dibenzofuran	ND	F1	360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,4-Dichlorophenol	ND	F1	73	28	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Diethyl phthalate	ND	F1	360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Dimethyl phthalate	ND	F1	360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Di-n-butyl phthalate	ND	F1	360	160	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,4-Dinitrotoluene	ND	F1	360	220	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,6-Dinitrotoluene	ND	F1	360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Di-n-octyl phthalate	ND	F1	360	210	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Fluoranthene	**56**	**J**	73	19	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Fluorene	ND	F1	73	14	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Hexachlorobenzene	ND	F1	73	26	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Hexachlorocyclopentadiene	ND	F1	360	37	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Indeno[1,2,3-cd]pyrene	ND	F1	73	36	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Isophorone	ND		360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2-Methylnaphthalene	**27**	**J F1**	73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Methylphenol, 3 & 4	ND	F1	360	110	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Naphthalene	**14**	**J**	73	14	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2-Nitroaniline	ND	F1	1900	170	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
3-Nitroaniline	ND		1900	92	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
4-Nitroaniline	ND		1900	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Nitrobenzene	ND	F1	730	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12

Date Collected: 07/18/23 15:00
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	250	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
N-Nitrosodi-n-propylamine	ND	F1	73	25	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
N-Nitrosodiphenylamine	ND	F1	360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Pentachlorophenol	ND		1900	580	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Phenanthrene	**110**	**F1**	73	19	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Phenol	ND		360	110	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
Pyrene	**76**	**F1**	73	17	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,3,4,6-Tetrachlorophenol	ND	F1	360	150	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,4,5-Trichlorophenol	ND	F1	360	130	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1
2,4,6-Trichlorophenol	ND	F1	360	120	ug/Kg	☼	07/20/23 08:01	07/20/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/20/23 08:01*	*07/20/23 15:41*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/20/23 08:01*	*07/20/23 15:41*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 105*	*07/20/23 08:01*	*07/20/23 15:41*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*07/20/23 08:01*	*07/20/23 15:41*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*07/20/23 08:01*	*07/20/23 15:41*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*07/20/23 08:01*	*07/20/23 15:41*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1248	**14**	**J**	18	4.4	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/20/23 08:00	07/21/23 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/20/23 08:00*	*07/21/23 09:10*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/20/23 08:00*	*07/21/23 09:10*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/20/23 08:00*	*07/21/23 09:10*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/20/23 08:00*	*07/21/23 09:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		20	5.1	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Antimony	**0.54**	**J F2 F1**	1.0	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Arsenic	**7.9**		1.0	0.64	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Barium	**170**	**F2 F1**	20	3.6	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Beryllium	**0.40**	**J**	0.41	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Cadmium	**0.77**		0.51	0.075	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Calcium	**43000**		510	66	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Chromium	**11**		0.51	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Cobalt	**7.2**		5.1	0.72	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Lab Sample ID: 180-159478-12
Date Collected: 07/18/23 15:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	32	F1	2.6	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Iron	20000		10	10	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Lead	55	F2 F1	1.0	0.89	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Magnesium	6800	F1	510	56	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Manganese	390		1.5	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Nickel	20		4.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Potassium	540		510	87	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Selenium	ND		1.0	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Silver	ND		0.51	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Sodium	86	J	510	52	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Thallium	ND		2.0	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Vanadium	15		5.1	0.81	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1
Zinc	74		2.0	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 10:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J F1	0.037	0.024	mg/Kg	☼	07/20/23 10:00	07/21/23 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.1		0.1	0.1	%			07/19/23 13:53	1
Percent Solids (SM22 2540G)	88.9		0.1	0.1	%			07/19/23 13:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-440837/7
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/19/23 23:35	1
Benzene	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
Bromoform	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/19/23 23:35	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/19/23 23:35	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/19/23 23:35	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/19/23 23:35	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/19/23 23:35	1
Chloroform	ND		5.0	3.4	ug/Kg			07/19/23 23:35	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/19/23 23:35	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 23:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/19/23 23:35	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/19/23 23:35	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/19/23 23:35	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/19/23 23:35	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/19/23 23:35	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/19/23 23:35	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/19/23 23:35	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/19/23 23:35	1
2-Hexanone	ND		25	1.6	ug/Kg			07/19/23 23:35	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/19/23 23:35	1
Methyl acetate	ND		25	7.4	ug/Kg			07/19/23 23:35	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/19/23 23:35	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/19/23 23:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/19/23 23:35	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/19/23 23:35	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Styrene	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/19/23 23:35	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Toluene	ND		5.0	1.4	ug/Kg			07/19/23 23:35	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/19/23 23:35	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/19/23 23:35	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/19/23 23:35	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/19/23 23:35	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/19/23 23:35	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440837/7
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/19/23 23:35	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/19/23 23:35	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/19/23 23:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/19/23 23:35	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/19/23 23:35	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/19/23 23:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*		*07/19/23 23:35*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*		*07/19/23 23:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*		*07/19/23 23:35*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*		*07/19/23 23:35*	*1*

Lab Sample ID: LCS 180-440837/3
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	31.9		ug/Kg		80	23 - 170
Benzene	40.0	39.6		ug/Kg		99	77 - 120
Bromoform	40.0	31.9		ug/Kg		80	37 - 147
Bromomethane	40.0	38.6		ug/Kg		96	47 - 149
2-Butanone (MEK)	40.0	28.2		ug/Kg		71	39 - 157
Carbon disulfide	40.0	37.5		ug/Kg		94	40 - 156
Carbon tetrachloride	40.0	35.0		ug/Kg		88	73 - 130
Chlorobenzene	40.0	36.1		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	36.3		ug/Kg		91	64 - 128
Chlorodibromomethane	40.0	34.8		ug/Kg		87	60 - 134
Chloroethane	40.0	30.8		ug/Kg		77	37 - 159
Chloroform	40.0	39.1		ug/Kg		98	73 - 126
Chloromethane	40.0	48.0		ug/Kg		120	46 - 151
cis-1,2-Dichloroethene	40.0	37.9		ug/Kg		95	77 - 118
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127
Cyclohexane	40.0	35.9		ug/Kg		90	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	34.6		ug/Kg		87	30 - 163
1,2-Dibromoethane	40.0	37.9		ug/Kg		95	59 - 137
1,2-Dichlorobenzene	40.0	36.3		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	35.5		ug/Kg		89	77 - 121
1,4-Dichlorobenzene	40.0	35.3		ug/Kg		88	79 - 120
Dichlorobromomethane	40.0	38.6		ug/Kg		97	75 - 123
Dichlorodifluoromethane	40.0	41.7		ug/Kg		104	26 - 149
1,1-Dichloroethane	40.0	39.2		ug/Kg		98	73 - 124
1,2-Dichloroethane	40.0	39.0		ug/Kg		97	64 - 140
1,1-Dichloroethene	40.0	37.1		ug/Kg		93	55 - 136
1,2-Dichloroethene, Total	80.0	76.4		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	39.2		ug/Kg		98	77 - 119
1,4-Dioxane	800	537	J	ug/Kg		67	18 - 166
Ethylbenzene	40.0	36.5		ug/Kg		91	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440837/3
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	31.9		ug/Kg		80	42 - 152
Isopropylbenzene	40.0	37.0		ug/Kg		92	70 - 125
Methyl acetate	80.0	99.6		ug/Kg		125	20 - 170
Methylcyclohexane	40.0	34.6		ug/Kg		87	70 - 125
Methylene Chloride	40.0	41.4		ug/Kg		104	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.7		ug/Kg		87	51 - 147
Methyl tert-butyl ether	40.0	37.4		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	35.5		ug/Kg		89	77 - 120
o-Xylene	40.0	35.5		ug/Kg		89	78 - 118
Styrene	40.0	37.4		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	40.0	39.5		ug/Kg		99	36 - 170
Tetrachloroethene	40.0	34.2		ug/Kg		86	71 - 121
Toluene	40.0	37.3		ug/Kg		93	76 - 120
trans-1,2-Dichloroethene	40.0	38.4		ug/Kg		96	75 - 122
trans-1,3-Dichloropropene	40.0	37.2		ug/Kg		93	68 - 133
1,2,3-Trichlorobenzene	40.0	37.0		ug/Kg		92	29 - 166
1,2,4-Trichlorobenzene	40.0	34.2		ug/Kg		86	22 - 170
1,1,1-Trichloroethane	40.0	37.1		ug/Kg		93	72 - 134
1,1,2-Trichloroethane	40.0	39.8		ug/Kg		100	66 - 128
Trichloroethene	40.0	34.8		ug/Kg		87	69 - 118
Trichlorofluoromethane	40.0	41.2		ug/Kg		103	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.8		ug/Kg		92	59 - 135
Vinyl chloride	40.0	42.5		ug/Kg		106	64 - 134
Xylenes, Total	80.0	71.0		ug/Kg		89	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*
Toluene-d8 (Surr)	*96*		*67 - 134*

Lab Sample ID: LCSD 180-440837/4
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	35.0		ug/Kg		88	23 - 170	9	35
Benzene	40.0	38.0		ug/Kg		95	77 - 120	4	20
Bromoform	40.0	30.6		ug/Kg		77	37 - 147	4	23
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149	9	25
2-Butanone (MEK)	40.0	36.0		ug/Kg		90	39 - 157	24	33
Carbon disulfide	40.0	36.4		ug/Kg		91	40 - 156	3	25
Carbon tetrachloride	40.0	33.6		ug/Kg		84	73 - 130	4	21
Chlorobenzene	40.0	34.1		ug/Kg		85	79 - 122	6	20
Chlorobromomethane	40.0	34.5		ug/Kg		86	64 - 128	5	20
Chlorodibromomethane	40.0	33.5		ug/Kg		84	60 - 134	4	40
Chloroethane	40.0	27.7		ug/Kg		69	37 - 159	11	25
Chloroform	40.0	37.7		ug/Kg		94	73 - 126	4	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440837/4
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	44.5		ug/Kg		111	46 - 151	8	33
cis-1,2-Dichloroethene			40.0	35.8		ug/Kg		89	77 - 118	6	20
cis-1,3-Dichloropropene			40.0	34.2		ug/Kg		85	73 - 127	4	20
Cyclohexane			40.0	33.9		ug/Kg		85	63 - 143	6	25
1,2-Dibromo-3-Chloropropane			40.0	33.2		ug/Kg		83	30 - 163	4	34
1,2-Dibromoethane			40.0	35.6		ug/Kg		89	59 - 137	6	20
1,2-Dichlorobenzene			40.0	35.6		ug/Kg		89	76 - 120	2	20
1,3-Dichlorobenzene			40.0	34.9		ug/Kg		87	77 - 121	2	20
1,4-Dichlorobenzene			40.0	34.8		ug/Kg		87	79 - 120	2	20
Dichlorobromomethane			40.0	36.7		ug/Kg		92	75 - 123	5	20
Dichlorodifluoromethane			40.0	41.0		ug/Kg		102	26 - 149	2	24
1,1-Dichloroethane			40.0	36.8		ug/Kg		92	73 - 124	6	20
1,2-Dichloroethane			40.0	37.2		ug/Kg		93	64 - 140	5	20
1,1-Dichloroethene			40.0	36.0		ug/Kg		90	55 - 136	3	21
1,2-Dichloroethene, Total			80.0	71.7		ug/Kg		90	77 - 119	6	20
1,2-Dichloropropane			40.0	37.6		ug/Kg		94	77 - 119	4	20
1,4-Dioxane			800	573	J	ug/Kg		72	18 - 166	6	40
Ethylbenzene			40.0	34.4		ug/Kg		86	79 - 119	6	20
2-Hexanone			40.0	31.4		ug/Kg		79	42 - 152	1	30
Isopropylbenzene			40.0	35.0		ug/Kg		88	70 - 125	5	21
Methyl acetate			80.0	98.0		ug/Kg		123	20 - 170	2	33
Methylcyclohexane			40.0	32.9		ug/Kg		82	70 - 125	5	22
Methylene Chloride			40.0	39.4		ug/Kg		99	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)			40.0	33.6		ug/Kg		84	51 - 147	3	27
Methyl tert-butyl ether			40.0	36.1		ug/Kg		90	58 - 132	4	24
m-Xylene & p-Xylene			40.0	34.1		ug/Kg		85	77 - 120	4	20
o-Xylene			40.0	33.1		ug/Kg		83	78 - 118	7	20
Styrene			40.0	35.7		ug/Kg		89	80 - 120	5	20
1,1,2,2-Tetrachloroethane			40.0	36.4		ug/Kg		91	36 - 170	8	23
Tetrachloroethene			40.0	32.3		ug/Kg		81	71 - 121	6	21
Toluene			40.0	36.0		ug/Kg		90	76 - 120	4	20
trans-1,2-Dichloroethene			40.0	35.9		ug/Kg		90	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	35.4		ug/Kg		88	68 - 133	5	20
1,2,3-Trichlorobenzene			40.0	36.0		ug/Kg		90	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	34.6		ug/Kg		87	22 - 170	1	29
1,1,1-Trichloroethane			40.0	34.9		ug/Kg		87	72 - 134	6	20
1,1,2-Trichloroethane			40.0	37.4		ug/Kg		94	66 - 128	6	21
Trichloroethene			40.0	33.8		ug/Kg		84	69 - 118	3	20
Trichlorofluoromethane			40.0	36.8		ug/Kg		92	32 - 149	11	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	35.1		ug/Kg		88	59 - 135	5	28
Vinyl chloride			40.0	39.5		ug/Kg		99	64 - 134	8	23
Xylenes, Total			80.0	67.2		ug/Kg		84	78 - 118	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440837/4
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: 180-159478-12 MS
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		41.3	35.7		ug/Kg	☼	86	23 - 170
Benzene	ND		41.3	39.8		ug/Kg	☼	96	77 - 120
Bromoform	ND		41.3	30.8		ug/Kg	☼	75	37 - 147
Bromomethane	ND		41.3	30.7		ug/Kg	☼	74	47 - 149
2-Butanone (MEK)	ND		41.3	33.2		ug/Kg	☼	81	39 - 157
Carbon disulfide	ND		41.3	37.2		ug/Kg	☼	90	40 - 156
Carbon tetrachloride	ND		41.3	36.4		ug/Kg	☼	88	73 - 130
Chlorobenzene	ND		41.3	36.9		ug/Kg	☼	89	79 - 122
Chlorobromomethane	ND		41.3	34.1		ug/Kg	☼	83	64 - 128
Chlorodibromomethane	ND		41.3	33.6		ug/Kg	☼	81	60 - 134
Chloroethane	ND		41.3	24.1		ug/Kg	☼	58	37 - 159
Chloroform	ND		41.3	39.2		ug/Kg	☼	95	73 - 126
Chloromethane	ND		41.3	41.8		ug/Kg	☼	101	46 - 151
cis-1,2-Dichloroethene	ND		41.3	37.6		ug/Kg	☼	91	77 - 118
cis-1,3-Dichloropropene	ND		41.3	34.3		ug/Kg	☼	83	73 - 127
Cyclohexane	ND		41.3	36.9		ug/Kg	☼	89	63 - 143
1,2-Dibromo-3-Chloropropane	ND		41.3	32.6		ug/Kg	☼	79	30 - 163
1,2-Dibromoethane	ND		41.3	35.6		ug/Kg	☼	86	59 - 137
1,2-Dichlorobenzene	ND		41.3	36.8		ug/Kg	☼	89	76 - 120
1,3-Dichlorobenzene	ND		41.3	37.2		ug/Kg	☼	90	77 - 121
1,4-Dichlorobenzene	ND		41.3	36.6		ug/Kg	☼	89	79 - 120
Dichlorobromomethane	ND		41.3	37.2		ug/Kg	☼	90	75 - 123
Dichlorodifluoromethane	ND		41.3	38.4		ug/Kg	☼	93	26 - 149
1,1-Dichloroethane	ND		41.3	38.6		ug/Kg	☼	93	73 - 124
1,2-Dichloroethane	ND		41.3	36.3		ug/Kg	☼	88	64 - 140
1,1-Dichloroethene	ND		41.3	39.1		ug/Kg	☼	95	55 - 136
1,2-Dichloroethene, Total	ND		82.6	76.2		ug/Kg	☼	92	77 - 119
1,2-Dichloropropane	ND		41.3	39.2		ug/Kg	☼	95	77 - 119
1,4-Dioxane	ND		826	737	J	ug/Kg	☼	89	18 - 166
Ethylbenzene	ND		41.3	38.3		ug/Kg	☼	93	79 - 119
2-Hexanone	ND		41.3	28.9		ug/Kg	☼	70	42 - 152
Isopropylbenzene	ND		41.3	39.1		ug/Kg	☼	95	70 - 125
Methyl acetate	ND		82.6	85.7		ug/Kg	☼	104	20 - 170
Methylcyclohexane	ND		41.3	36.8		ug/Kg	☼	89	70 - 125
Methylene Chloride	ND		41.3	40.2		ug/Kg	☼	97	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		41.3	31.0		ug/Kg	☼	75	51 - 147
Methyl tert-butyl ether	ND		41.3	34.2		ug/Kg	☼	83	58 - 132
m-Xylene & p-Xylene	ND		41.3	37.5		ug/Kg	☼	91	77 - 120
o-Xylene	ND		41.3	37.0		ug/Kg	☼	90	78 - 118
Styrene	ND		41.3	38.6		ug/Kg	☼	94	80 - 120
1,1,2,2-Tetrachloroethane	ND		41.3	37.2		ug/Kg	☼	90	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159478-12 MS
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		41.3	37.6		ug/Kg	☼	91	71 - 121
Toluene	ND		41.3	38.8		ug/Kg	☼	94	76 - 120
trans-1,2-Dichloroethene	ND		41.3	38.6		ug/Kg	☼	93	75 - 122
trans-1,3-Dichloropropene	ND		41.3	36.4		ug/Kg	☼	88	68 - 133
1,2,3-Trichlorobenzene	ND		41.3	36.3		ug/Kg	☼	88	29 - 166
1,2,4-Trichlorobenzene	ND		41.3	36.3		ug/Kg	☼	88	22 - 170
1,1,1-Trichloroethane	ND		41.3	38.0		ug/Kg	☼	92	72 - 134
1,1,2-Trichloroethane	ND		41.3	37.0		ug/Kg	☼	90	66 - 128
Trichloroethene	ND		41.3	36.2		ug/Kg	☼	88	69 - 118
Trichlorofluoromethane	ND		41.3	38.6		ug/Kg	☼	94	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.3	37.6		ug/Kg	☼	91	59 - 135
Vinyl chloride	ND		41.3	37.6		ug/Kg	☼	91	64 - 134
Xylenes, Total	ND		82.6	74.5		ug/Kg	☼	90	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*
Toluene-d8 (Surr)	*114*		*67 - 134*

Lab Sample ID: 180-159478-12 MSD
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		40.1	32.5		ug/Kg	☼	81	23 - 170	9	35
Benzene	ND		40.1	38.7		ug/Kg	☼	97	77 - 120	3	20
Bromoform	ND		40.1	28.7		ug/Kg	☼	72	37 - 147	7	23
Bromomethane	ND		40.1	31.9		ug/Kg	☼	80	47 - 149	4	25
2-Butanone (MEK)	ND		40.1	30.0		ug/Kg	☼	75	39 - 157	10	33
Carbon disulfide	ND		40.1	37.0		ug/Kg	☼	92	40 - 156	1	25
Carbon tetrachloride	ND		40.1	35.2		ug/Kg	☼	88	73 - 130	3	21
Chlorobenzene	ND		40.1	35.3		ug/Kg	☼	88	79 - 122	4	20
Chlorobromomethane	ND		40.1	34.3		ug/Kg	☼	86	64 - 128	1	20
Chlorodibromomethane	ND		40.1	32.9		ug/Kg	☼	82	60 - 134	2	40
Chloroethane	ND		40.1	26.3		ug/Kg	☼	66	37 - 159	9	25
Chloroform	ND		40.1	38.5		ug/Kg	☼	96	73 - 126	2	20
Chloromethane	ND		40.1	41.1		ug/Kg	☼	103	46 - 151	2	33
cis-1,2-Dichloroethene	ND		40.1	36.7		ug/Kg	☼	92	77 - 118	2	20
cis-1,3-Dichloropropene	ND		40.1	34.2		ug/Kg	☼	85	73 - 127	0	20
Cyclohexane	ND		40.1	36.5		ug/Kg	☼	91	63 - 143	1	25
1,2-Dibromo-3-Chloropropane	ND		40.1	31.4		ug/Kg	☼	78	30 - 163	4	34
1,2-Dibromoethane	ND		40.1	33.9		ug/Kg	☼	85	59 - 137	5	20
1,2-Dichlorobenzene	ND		40.1	36.5		ug/Kg	☼	91	76 - 120	1	20
1,3-Dichlorobenzene	ND		40.1	36.0		ug/Kg	☼	90	77 - 121	3	20
1,4-Dichlorobenzene	ND		40.1	35.6		ug/Kg	☼	89	79 - 120	3	20
Dichlorobromomethane	ND		40.1	36.7		ug/Kg	☼	92	75 - 123	1	20
Dichlorodifluoromethane	ND		40.1	37.3		ug/Kg	☼	93	26 - 149	3	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159478-12 MSD
Matrix: Solid
Analysis Batch: 440837

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		40.1	38.3		ug/Kg	☼	96	73 - 124	1	20
1,2-Dichloroethane	ND		40.1	36.4		ug/Kg	☼	91	64 - 140	0	20
1,1-Dichloroethene	ND		40.1	38.3		ug/Kg	☼	95	55 - 136	2	21
1,2-Dichloroethene, Total	ND		80.1	74.4		ug/Kg	☼	93	77 - 119	2	20
1,2-Dichloropropane	ND		40.1	38.1		ug/Kg	☼	95	77 - 119	3	20
1,4-Dioxane	ND		801	730	J	ug/Kg	☼	91	18 - 166	1	40
Ethylbenzene	ND		40.1	36.8		ug/Kg	☼	92	79 - 119	4	20
2-Hexanone	ND		40.1	28.3		ug/Kg	☼	71	42 - 152	2	30
Isopropylbenzene	ND		40.1	37.4		ug/Kg	☼	93	70 - 125	4	21
Methyl acetate	ND		80.1	82.0		ug/Kg	☼	102	20 - 170	4	33
Methylcyclohexane	ND		40.1	35.7		ug/Kg	☼	89	70 - 125	3	22
Methylene Chloride	ND		40.1	39.3		ug/Kg	☼	98	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)	ND		40.1	31.0		ug/Kg	☼	77	51 - 147	0	27
Methyl tert-butyl ether	ND		40.1	34.4		ug/Kg	☼	86	58 - 132	0	24
m-Xylene & p-Xylene	ND		40.1	36.1		ug/Kg	☼	90	77 - 120	4	20
o-Xylene	ND		40.1	35.6		ug/Kg	☼	89	78 - 118	4	20
Styrene	ND		40.1	36.5		ug/Kg	☼	91	80 - 120	6	20
1,1,2,2-Tetrachloroethane	ND		40.1	34.8		ug/Kg	☼	87	36 - 170	7	23
Tetrachloroethene	ND		40.1	35.7		ug/Kg	☼	89	71 - 121	5	21
Toluene	ND		40.1	37.2		ug/Kg	☼	93	76 - 120	4	20
trans-1,2-Dichloroethene	ND		40.1	37.7		ug/Kg	☼	94	75 - 122	2	20
trans-1,3-Dichloropropene	ND		40.1	35.4		ug/Kg	☼	88	68 - 133	3	20
1,2,3-Trichlorobenzene	ND		40.1	36.3		ug/Kg	☼	91	29 - 166	0	40
1,2,4-Trichlorobenzene	ND		40.1	36.5		ug/Kg	☼	91	22 - 170	1	29
1,1,1-Trichloroethane	ND		40.1	37.9		ug/Kg	☼	95	72 - 134	0	20
1,1,2-Trichloroethane	ND		40.1	35.7		ug/Kg	☼	89	66 - 128	4	21
Trichloroethene	ND		40.1	35.2		ug/Kg	☼	88	69 - 118	3	20
Trichlorofluoromethane	ND		40.1	35.3		ug/Kg	☼	88	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40.1	36.8		ug/Kg	☼	92	59 - 135	2	28
Vinyl chloride	ND		40.1	36.7		ug/Kg	☼	92	64 - 134	2	23
Xylenes, Total	ND		80.1	71.7		ug/Kg	☼	89	78 - 118	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440901/1-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Acenaphthylene	ND		67	15	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Acetophenone	ND		670	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440901/1-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Atrazine	ND		670	150	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Benzaldehyde	ND		670	41	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Caprolactam	ND		1700	220	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Carbazole	ND		67	16	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4-Chloroaniline	ND		330	88	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2-Chlorophenol	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Chrysene	ND		67	37	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Dibenzofuran	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Diethyl phthalate	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
1,4-Dioxane	ND		670	100	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Fluoranthene	ND		67	18	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Fluorene	ND		67	13	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Hexachloroethane	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Isophorone	ND		330	130	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2-Methylphenol	ND		330	96	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Naphthalene	ND		67	13	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/20/23 08:01	07/20/23 14:12	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440901/1-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Nitrobenzene	ND		670	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2-Nitrophenol	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Phenanthrene	ND		67	18	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Phenol	ND		330	100	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
Pyrene	ND		67	16	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/20/23 08:01	07/20/23 14:12	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/20/23 08:01	07/20/23 14:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/20/23 08:01*	*07/20/23 14:12*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*07/20/23 08:01*	*07/20/23 14:12*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*07/20/23 08:01*	*07/20/23 14:12*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/20/23 08:01*	*07/20/23 14:12*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/20/23 08:01*	*07/20/23 14:12*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*	*07/20/23 08:01*	*07/20/23 14:12*	*1*

Lab Sample ID: LCS 180-440901/2-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4560		ug/Kg		68	50 - 100
Acenaphthylene	6670	5060		ug/Kg		76	52 - 100
Acetophenone	6670	5040		ug/Kg		76	48 - 100
Anthracene	6670	4770		ug/Kg		72	53 - 100
Atrazine	6670	4570		ug/Kg		69	49 - 103
Benzaldehyde	6670	5550		ug/Kg		83	23 - 105
Benzo[a]anthracene	6670	5290		ug/Kg		79	51 - 100
Benzo[a]pyrene	6670	4650		ug/Kg		70	51 - 100
Benzo[b]fluoranthene	6670	4280		ug/Kg		64	48 - 100
Benzo[g,h,i]perylene	6670	4260		ug/Kg		64	48 - 105
Benzo[k]fluoranthene	6670	3980		ug/Kg		60	19 - 100
1,1'-Biphenyl	6670	4580		ug/Kg		69	50 - 100
Bis(2-chloroethoxy)methane	6670	4950		ug/Kg		74	49 - 100
Bis(2-chloroethyl)ether	6670	5030		ug/Kg		75	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5970		ug/Kg		90	53 - 107
4-Bromophenyl phenyl ether	6670	5080		ug/Kg		76	52 - 101
Butyl benzyl phthalate	6670	5600		ug/Kg		84	52 - 107
Caprolactam	6670	4690		ug/Kg		70	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440901/2-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4500		ug/Kg		68	53 - 100
4-Chloroaniline	6670	4660		ug/Kg		70	47 - 100
4-Chloro-3-methylphenol	6670	5050		ug/Kg		76	49 - 106
2-Chloronaphthalene	6670	4530		ug/Kg		68	51 - 100
2-Chlorophenol	6670	4880		ug/Kg		73	51 - 100
4-Chlorophenyl phenyl ether	6670	5140		ug/Kg		77	52 - 100
Chrysene	6670	5010		ug/Kg		75	50 - 100
Dibenz(a,h)anthracene	6670	4560		ug/Kg		68	50 - 107
Dibenzofuran	6670	4770		ug/Kg		71	52 - 100
3,3'-Dichlorobenzidine	6670	4740		ug/Kg		71	43 - 100
2,4-Dichlorophenol	6670	4820		ug/Kg		72	53 - 101
Diethyl phthalate	6670	5230		ug/Kg		78	48 - 104
2,4-Dimethylphenol	6670	4060		ug/Kg		61	51 - 101
Dimethyl phthalate	6670	4820		ug/Kg		72	53 - 100
Di-n-butyl phthalate	6670	5130		ug/Kg		77	57 - 102
4,6-Dinitro-2-methylphenol	13300	8550		ug/Kg		64	51 - 100
2,4-Dinitrophenol	13300	7970		ug/Kg		60	33 - 101
2,4-Dinitrotoluene	6670	5130		ug/Kg		77	54 - 104
2,6-Dinitrotoluene	6670	4860		ug/Kg		73	51 - 106
Di-n-octyl phthalate	6670	5790		ug/Kg		87	41 - 106
1,4-Dioxane	6670	5170		ug/Kg		78	25 - 125
Fluoranthene	6670	4750		ug/Kg		71	55 - 100
Fluorene	6670	4890		ug/Kg		73	52 - 100
Hexachlorobenzene	6670	4690		ug/Kg		70	49 - 100
Hexachlorobutadiene	6670	5260		ug/Kg		79	38 - 107
Hexachlorocyclopentadiene	6670	3540		ug/Kg		53	33 - 117
Hexachloroethane	6670	4960		ug/Kg		74	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4370		ug/Kg		66	51 - 103
Isophorone	6670	5570		ug/Kg		84	48 - 105
2-Methylnaphthalene	6670	4900		ug/Kg		74	53 - 100
2-Methylphenol	6670	5100		ug/Kg		76	50 - 101
Methylphenol, 3 & 4	6670	5080		ug/Kg		76	50 - 103
Naphthalene	6670	4710		ug/Kg		71	51 - 100
2-Nitroaniline	6670	5740		ug/Kg		86	42 - 123
3-Nitroaniline	6670	4740		ug/Kg		71	50 - 103
4-Nitroaniline	6670	4820		ug/Kg		72	52 - 103
Nitrobenzene	6670	5590		ug/Kg		84	44 - 108
2-Nitrophenol	6670	5150		ug/Kg		77	55 - 107
4-Nitrophenol	13300	11700		ug/Kg		88	30 - 134
N-Nitrosodi-n-propylamine	6670	5710		ug/Kg		86	45 - 107
N-Nitrosodiphenylamine	6670	4740		ug/Kg		71	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4630		ug/Kg		69	30 - 113
Pentachlorophenol	13300	10300		ug/Kg		77	42 - 110
Phenanthrene	6670	4530		ug/Kg		68	53 - 100
Phenol	6670	4710		ug/Kg		71	49 - 100
Pyrene	6670	5280		ug/Kg		79	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4880		ug/Kg		73	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4930		ug/Kg		74	47 - 104
2,4,5-Trichlorophenol	6670	4930		ug/Kg		74	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440901/2-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440901

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	5100		ug/Kg		77	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*75*		*48 - 105*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*71*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*

Lab Sample ID: 180-159478-12 MS
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7500	6980		ug/Kg	☼	93	50 - 100		
Acenaphthylene	ND	F1	7500	7470		ug/Kg	☼	100	52 - 100		
Acetophenone	ND		7500	6630		ug/Kg	☼	88	48 - 100		
Anthracene	ND	F1	7500	7430		ug/Kg	☼	99	53 - 100		
Atrazine	ND	F1	7500	627	J F1	ug/Kg	☼	8	49 - 103		
Benzaldehyde	ND	F1	7500	339	J F1	ug/Kg	☼	5	23 - 105		
Benzo[a]anthracene	39	J F1	7500	8570	F1	ug/Kg	☼	114	51 - 100		
Benzo[a]pyrene	33	J	7500	7060		ug/Kg	☼	94	51 - 100		
Benzo[b]fluoranthene	41	J	7500	6970		ug/Kg	☼	92	48 - 100		
Benzo[g,h,i]perylene	ND		7500	7430		ug/Kg	☼	99	48 - 105		
Benzo[k]fluoranthene	ND		7500	6420		ug/Kg	☼	86	19 - 100		
1,1'-Biphenyl	ND		7500	7080		ug/Kg	☼	94	50 - 100		
Bis(2-chloroethoxy)methane	ND	F1	7500	7520		ug/Kg	☼	100	49 - 100		
Bis(2-chloroethyl)ether	ND		7500	7100		ug/Kg	☼	95	48 - 100		
Bis(2-ethylhexyl) phthalate	ND	F1	7500	9590	F1	ug/Kg	☼	128	53 - 107		
4-Bromophenyl phenyl ether	ND	F1	7500	7930	F1	ug/Kg	☼	106	52 - 101		
Butyl benzyl phthalate	ND	F1	7500	9120	F1	ug/Kg	☼	122	52 - 107		
Caprolactam	ND		7500	7230		ug/Kg	☼	96	48 - 111		
Carbazole	ND		7500	7080		ug/Kg	☼	94	53 - 100		
4-Chloroaniline	ND		7500	5220		ug/Kg	☼	70	47 - 100		
4-Chloro-3-methylphenol	ND	F1	7500	8000	F1	ug/Kg	☼	107	49 - 106		
2-Chloronaphthalene	ND		7500	7070		ug/Kg	☼	94	51 - 100		
2-Chlorophenol	ND		7500	7000		ug/Kg	☼	93	51 - 100		
4-Chlorophenyl phenyl ether	ND	F1	7500	7910	F1	ug/Kg	☼	106	52 - 100		
Chrysene	97	F1	7500	8120	F1	ug/Kg	☼	107	50 - 100		
Dibenz(a,h)anthracene	ND	F1	7500	7720		ug/Kg	☼	103	50 - 107		
Dibenzofuran	ND	F1	7500	7290		ug/Kg	☼	97	52 - 100		
3,3'-Dichlorobenzidine	ND		7500	6680		ug/Kg	☼	89	43 - 100		
2,4-Dichlorophenol	ND	F1	7500	7620	F1	ug/Kg	☼	102	53 - 101		
Diethyl phthalate	ND	F1	7500	7920	F1	ug/Kg	☼	106	48 - 104		
2,4-Dimethylphenol	ND		7500	6690		ug/Kg	☼	89	51 - 101		
Dimethyl phthalate	ND	F1	7500	7640	F1	ug/Kg	☼	102	53 - 100		
Di-n-butyl phthalate	ND	F1	7500	8110	F1	ug/Kg	☼	108	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159478-12 MS
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		15000	14000		ug/Kg	☼	93	51 - 100
2,4-Dinitrophenol	ND		15000	13400		ug/Kg	☼	89	33 - 101
2,4-Dinitrotoluene	ND	F1	7500	7900	F1	ug/Kg	☼	105	54 - 104
2,6-Dinitrotoluene	ND	F1	7500	7610		ug/Kg	☼	101	51 - 106
Di-n-octyl phthalate	ND	F1	7500	9240	F1	ug/Kg	☼	123	41 - 106
1,4-Dioxane	ND		7500	6650		ug/Kg	☼	89	25 - 125
Fluoranthene	56	J	7500	7280		ug/Kg	☼	96	55 - 100
Fluorene	ND	F1	7500	7660	F1	ug/Kg	☼	102	52 - 100
Hexachlorobenzene	ND	F1	7500	7400		ug/Kg	☼	99	49 - 100
Hexachlorobutadiene	ND		7500	7570		ug/Kg	☼	101	38 - 107
Hexachlorocyclopentadiene	ND	F1	7500	1000	F1	ug/Kg	☼	13	33 - 117
Hexachloroethane	ND		7500	6770		ug/Kg	☼	90	47 - 100
Indeno[1,2,3-cd]pyrene	ND	F1	7500	7590		ug/Kg	☼	101	51 - 103
Isophorone	ND		7500	6160		ug/Kg	☼	82	48 - 105
2-Methylnaphthalene	27	J F1	7500	7470		ug/Kg	☼	99	53 - 100
2-Methylphenol	ND		7500	7230		ug/Kg	☼	96	50 - 101
Methylphenol, 3 & 4	ND	F1	7500	7460		ug/Kg	☼	99	50 - 103
Naphthalene	14	J	7500	7170		ug/Kg	☼	95	51 - 100
2-Nitroaniline	ND	F1	7500	9050		ug/Kg	☼	121	42 - 123
3-Nitroaniline	ND		7500	7240		ug/Kg	☼	96	50 - 103
4-Nitroaniline	ND		7500	7520		ug/Kg	☼	100	52 - 103
Nitrobenzene	ND	F1	7500	8250	F1	ug/Kg	☼	110	44 - 108
2-Nitrophenol	ND		7500	7950		ug/Kg	☼	106	55 - 107
4-Nitrophenol	ND		15000	18700		ug/Kg	☼	125	30 - 134
N-Nitrosodi-n-propylamine	ND	F1	7500	8470	F1	ug/Kg	☼	113	45 - 107
N-Nitrosodiphenylamine	ND	F1	7500	7510		ug/Kg	☼	100	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7500	6760		ug/Kg	☼	90	30 - 113
Pentachlorophenol	ND		15000	15400		ug/Kg	☼	103	42 - 110
Phenanthrene	110	F1	7500	7590		ug/Kg	☼	100	53 - 100
Phenol	ND		7500	6880		ug/Kg	☼	92	49 - 100
Pyrene	76	F1	7500	8340	F1	ug/Kg	☼	110	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7500	7300		ug/Kg	☼	97	41 - 104
2,3,4,6-Tetrachlorophenol	ND	F1	7500	7670		ug/Kg	☼	102	47 - 104
2,4,5-Trichlorophenol	ND	F1	7500	7850	F1	ug/Kg	☼	105	50 - 104
2,4,6-Trichlorophenol	ND	F1	7500	8170	F1	ug/Kg	☼	109	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*44 - 105*
2-Fluorophenol (Surr)	*82*		*48 - 105*
Nitrobenzene-d5 (Surr)	*100*		*46 - 105*
Phenol-d5 (Surr)	*88*		*46 - 105*
Terphenyl-d14 (Surr)	*91*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*98*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159478-12 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S76
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440941
Prep Batch: 440901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7400	7270		ug/Kg	☼	98	50 - 100	4	20
Acenaphthylene	ND	F1	7400	7920	F1	ug/Kg	☼	107	52 - 100	6	20
Acetophenone	ND		7400	6860		ug/Kg	☼	93	48 - 100	3	17
Anthracene	ND	F1	7400	7480	F1	ug/Kg	☼	101	53 - 100	1	20
Atrazine	ND	F1	7400	628	J F1	ug/Kg	☼	8	49 - 103	0	19
Benzaldehyde	ND	F1	7400	330	J F1	ug/Kg	☼	4	23 - 105	3	31
Benzo[a]anthracene	39	J F1	7400	8260	F1	ug/Kg	☼	111	51 - 100	4	21
Benzo[a]pyrene	33	J	7400	7470		ug/Kg	☼	100	51 - 100	6	20
Benzo[b]fluoranthene	41	J	7400	7250		ug/Kg	☼	97	48 - 100	4	20
Benzo[g,h,i]perylene	ND		7400	7730		ug/Kg	☼	104	48 - 105	4	19
Benzo[k]fluoranthene	ND		7400	6320		ug/Kg	☼	85	19 - 100	2	20
1,1'-Biphenyl	ND		7400	7390		ug/Kg	☼	100	50 - 100	4	19
Bis(2-chloroethoxy)methane	ND	F1	7400	7810	F1	ug/Kg	☼	105	49 - 100	4	20
Bis(2-chloroethyl)ether	ND		7400	7300		ug/Kg	☼	99	48 - 100	3	18
Bis(2-ethylhexyl) phthalate	ND	F1	7400	9400	F1	ug/Kg	☼	127	53 - 107	2	20
4-Bromophenyl phenyl ether	ND	F1	7400	8240	F1	ug/Kg	☼	111	52 - 101	4	20
Butyl benzyl phthalate	ND	F1	7400	8910	F1	ug/Kg	☼	120	52 - 107	2	19
Caprolactam	ND		7400	7820		ug/Kg	☼	106	48 - 111	8	23
Carbazole	ND		7400	7110		ug/Kg	☼	96	53 - 100	0	20
4-Chloroaniline	ND		7400	5470		ug/Kg	☼	74	47 - 100	5	20
4-Chloro-3-methylphenol	ND	F1	7400	8280	F1	ug/Kg	☼	112	49 - 106	4	20
2-Chloronaphthalene	ND		7400	7340		ug/Kg	☼	99	51 - 100	4	20
2-Chlorophenol	ND		7400	7170		ug/Kg	☼	97	51 - 100	2	17
4-Chlorophenyl phenyl ether	ND	F1	7400	8380	F1	ug/Kg	☼	113	52 - 100	6	19
Chrysene	97	F1	7400	8000	F1	ug/Kg	☼	107	50 - 100	1	20
Dibenz(a,h)anthracene	ND	F1	7400	8070	F1	ug/Kg	☼	109	50 - 107	4	21
Dibenzofuran	ND	F1	7400	7700	F1	ug/Kg	☼	104	52 - 100	5	19
3,3'-Dichlorobenzidine	ND		7400	6420		ug/Kg	☼	87	43 - 100	4	19
2,4-Dichlorophenol	ND	F1	7400	7840	F1	ug/Kg	☼	106	53 - 101	3	22
Diethyl phthalate	ND	F1	7400	8330	F1	ug/Kg	☼	113	48 - 104	5	20
2,4-Dimethylphenol	ND		7400	6730		ug/Kg	☼	91	51 - 101	1	32
Dimethyl phthalate	ND	F1	7400	7930	F1	ug/Kg	☼	107	53 - 100	4	21
Di-n-butyl phthalate	ND	F1	7400	8090	F1	ug/Kg	☼	109	57 - 102	0	20
4,6-Dinitro-2-methylphenol	ND		14800	14800		ug/Kg	☼	100	51 - 100	5	22
2,4-Dinitrophenol	ND		14800	13900		ug/Kg	☼	94	33 - 101	3	20
2,4-Dinitrotoluene	ND	F1	7400	8220	F1	ug/Kg	☼	111	54 - 104	4	20
2,6-Dinitrotoluene	ND	F1	7400	7890	F1	ug/Kg	☼	107	51 - 106	4	20
Di-n-octyl phthalate	ND	F1	7400	9230	F1	ug/Kg	☼	125	41 - 106	0	18
1,4-Dioxane	ND		7400	6960		ug/Kg	☼	94	25 - 125	5	17
Fluoranthene	56	J	7400	7220		ug/Kg	☼	97	55 - 100	1	20
Fluorene	ND	F1	7400	7960	F1	ug/Kg	☼	108	52 - 100	4	19
Hexachlorobenzene	ND	F1	7400	7690	F1	ug/Kg	☼	104	49 - 100	4	20
Hexachlorobutadiene	ND		7400	7900		ug/Kg	☼	107	38 - 107	4	22
Hexachlorocyclopentadiene	ND	F1	7400	1070	F1	ug/Kg	☼	14	33 - 117	6	19
Hexachloroethane	ND		7400	7250		ug/Kg	☼	98	47 - 100	7	17
Indeno[1,2,3-cd]pyrene	ND	F1	7400	8050	F1	ug/Kg	☼	109	51 - 103	6	19
Isophorone	ND		7400	6220		ug/Kg	☼	84	48 - 105	1	20
2-Methylnaphthalene	27	J F1	7400	7820	F1	ug/Kg	☼	105	53 - 100	5	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159478-12 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S76
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440941
Prep Batch: 440901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7400	7500		ug/Kg	☼	101	50 - 101	4	17
Methylphenol, 3 & 4	ND	F1	7400	7830	F1	ug/Kg	☼	106	50 - 103	5	19
Naphthalene	14	J	7400	7430		ug/Kg	☼	100	51 - 100	4	20
2-Nitroaniline	ND	F1	7400	9660	F1	ug/Kg	☼	131	42 - 123	7	19
3-Nitroaniline	ND		7400	7270		ug/Kg	☼	98	50 - 103	0	20
4-Nitroaniline	ND		7400	7300		ug/Kg	☼	99	52 - 103	3	18
Nitrobenzene	ND	F1	7400	8470	F1	ug/Kg	☼	114	44 - 108	3	21
2-Nitrophenol	ND		7400	7910		ug/Kg	☼	107	55 - 107	1	19
4-Nitrophenol	ND		14800	18400		ug/Kg	☼	124	30 - 134	2	18
N-Nitrosodi-n-propylamine	ND	F1	7400	8740	F1	ug/Kg	☼	118	45 - 107	3	18
N-Nitrosodiphenylamine	ND	F1	7400	7760	F1	ug/Kg	☼	105	52 - 100	3	20
2,2'-oxybis[1-chloropropane]	ND		7400	6980		ug/Kg	☼	94	30 - 113	3	17
Pentachlorophenol	ND		14800	16300		ug/Kg	☼	110	42 - 110	5	20
Phenanthrene	110	F1	7400	7620	F1	ug/Kg	☼	102	53 - 100	0	20
Phenol	ND		7400	7110		ug/Kg	☼	96	49 - 100	3	16
Pyrene	76	F1	7400	8580	F1	ug/Kg	☼	115	52 - 100	3	20
1,2,4,5-Tetrachlorobenzene	ND		7400	7700		ug/Kg	☼	104	41 - 104	5	21
2,3,4,6-Tetrachlorophenol	ND	F1	7400	8240	F1	ug/Kg	☼	111	47 - 104	7	18
2,4,5-Trichlorophenol	ND	F1	7400	8160	F1	ug/Kg	☼	110	50 - 104	4	21
2,4,6-Trichlorophenol	ND	F1	7400	8470	F1	ug/Kg	☼	114	50 - 105	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*44 - 105*
2-Fluorophenol (Surr)	*87*		*48 - 105*
Nitrobenzene-d5 (Surr)	*103*		*46 - 105*
Phenol-d5 (Surr)	*92*		*46 - 105*
Terphenyl-d14 (Surr)	*95*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*101*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440900/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440995
Prep Batch: 440900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1221	ND		17	5.9	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1232	ND		17	4.1	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1242	ND		17	2.4	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1248	ND		17	4.0	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1254	ND		17	5.0	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1260	ND		17	4.7	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1262	ND		17	5.9	ug/Kg		07/20/23 08:00	07/21/23 08:53	1
PCB-1268	ND		17	2.2	ug/Kg		07/20/23 08:00	07/21/23 08:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*07/20/23 08:00*	*07/21/23 08:53*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-440900/1-C
Matrix: Solid
Analysis Batch: 440995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440900

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	86		63 - 138	07/20/23 08:00	07/21/23 08:53	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	07/20/23 08:00	07/21/23 08:53	1
Tetrachloro-m-xylene (Surr)	80		55 - 135	07/20/23 08:00	07/21/23 08:53	1

Lab Sample ID: LCS 180-440900/2-C
Matrix: Solid
Analysis Batch: 440995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440900

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1150		ug/Kg		86	43 - 136		
PCB-1260			1330	1080		ug/Kg		81	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	101		63 - 138
DCB Decachlorobiphenyl (Surr)	100		63 - 138
Tetrachloro-m-xylene (Surr)	99		55 - 135
Tetrachloro-m-xylene (Surr)	99		55 - 135

Lab Sample ID: 180-159478-12 MS
Matrix: Solid
Analysis Batch: 440995

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1500	1130		ug/Kg	☼	75	43 - 136		
PCB-1260	ND		1500	1120		ug/Kg	☼	75	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	87		63 - 138
DCB Decachlorobiphenyl (Surr)	84		63 - 138
Tetrachloro-m-xylene (Surr)	89		55 - 135
Tetrachloro-m-xylene (Surr)	89		55 - 135

Lab Sample ID: 180-159478-12 MSD
Matrix: Solid
Analysis Batch: 440995

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440900

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1500	1220		ug/Kg	☼	81	43 - 136	7	40
PCB-1260	ND		1500	1150		ug/Kg	☼	77	55 - 128	3	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		63 - 138
DCB Decachlorobiphenyl (Surr)	89		63 - 138
Tetrachloro-m-xylene (Surr)	94		55 - 135
Tetrachloro-m-xylene (Surr)	92		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440799/1-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440799

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.8	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Antimony	ND		0.96	0.29	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Arsenic	ND		0.96	0.60	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Barium	ND		19	3.4	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Beryllium	ND		0.38	0.10	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Cadmium	ND		0.48	0.071	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Calcium	ND		480	62	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Chromium	ND		0.48	0.44	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Cobalt	ND		4.8	0.68	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Copper	ND		2.4	1.5	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Iron	ND		9.6	9.4	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Lead	ND		0.96	0.84	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Magnesium	ND		480	53	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Manganese	ND		1.4	0.27	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Nickel	ND		3.8	0.48	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Potassium	ND		480	82	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Selenium	ND		0.96	0.44	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Silver	ND		0.48	0.10	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Sodium	ND		480	49	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Thallium	ND		1.9	0.27	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Vanadium	ND		4.8	0.76	mg/Kg		07/20/23 08:13	07/24/23 10:08	1
Zinc	ND		1.9	1.4	mg/Kg		07/20/23 08:13	07/24/23 10:08	1

Lab Sample ID: LCS 180-440799/2-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440799

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	472	443		mg/Kg		94	80 - 120
Antimony	23.6	23.5		mg/Kg		100	80 - 120
Arsenic	94.3	92.7		mg/Kg		98	80 - 120
Barium	94.3	87.1		mg/Kg		92	80 - 120
Beryllium	47.2	46.1		mg/Kg		98	80 - 120
Cadmium	47.2	44.1		mg/Kg		94	80 - 120
Calcium	2360	2240		mg/Kg		95	80 - 120
Chromium	47.2	44.5		mg/Kg		94	80 - 120
Cobalt	47.2	43.2		mg/Kg		92	80 - 120
Copper	47.2	44.6		mg/Kg		94	80 - 120
Iron	472	441		mg/Kg		93	80 - 120
Lead	47.2	44.3		mg/Kg		94	80 - 120
Magnesium	2360	2170		mg/Kg		92	80 - 120
Manganese	47.2	43.2		mg/Kg		92	80 - 120
Nickel	47.2	44.0		mg/Kg		93	80 - 120
Potassium	2360	2230		mg/Kg		94	80 - 120
Selenium	94.3	94.8		mg/Kg		100	80 - 120
Silver	23.6	21.7		mg/Kg		92	80 - 120
Sodium	2360	2400		mg/Kg		102	80 - 120
Thallium	94.3	87.2		mg/Kg		92	80 - 120
Vanadium	47.2	42.8		mg/Kg		91	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-440799/2-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Zinc			23.6	23.8		mg/Kg		101	80 - 120		

Lab Sample ID: 180-159478-12 MS
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	7600		551	8110	4	mg/Kg	☼	85	75 - 125		
Antimony	0.54	J F2 F1	27.6	11.1	F1	mg/Kg	☼	38	75 - 125		
Arsenic	7.9		110	114		mg/Kg	☼	97	75 - 125		
Barium	170	F2 F1	110	430	F1	mg/Kg	☼	235	75 - 125		
Beryllium	0.40	J	55.1	51.0		mg/Kg	☼	92	75 - 125		
Cadmium	0.77		55.1	47.9		mg/Kg	☼	85	75 - 125		
Calcium	43000		2760	17000	4	mg/Kg	☼	-941	75 - 125		
Chromium	11		55.1	62.3		mg/Kg	☼	92	75 - 125		
Cobalt	7.2		55.1	61.9		mg/Kg	☼	99	75 - 125		
Copper	32	F1	55.1	115	F1	mg/Kg	☼	151	75 - 125		
Iron	20000		551	28100	4	mg/Kg	☼	1505	75 - 125		
Lead	55	F2 F1	55.1	596	F1	mg/Kg	☼	982	75 - 125		
Magnesium	6800	F1	2760	5880	F1	mg/Kg	☼	-35	75 - 125		
Manganese	390		55.1	445	4	mg/Kg	☼	107	75 - 125		
Nickel	20		55.1	75.0		mg/Kg	☼	99	75 - 125		
Potassium	540		2760	3130		mg/Kg	☼	94	75 - 125		
Selenium	ND		110	104		mg/Kg	☼	94	75 - 125		
Silver	ND		27.6	24.9		mg/Kg	☼	90	75 - 125		
Sodium	86	J	2760	2780		mg/Kg	☼	98	75 - 125		
Thallium	ND		110	91.3		mg/Kg	☼	83	75 - 125		
Vanadium	15		55.1	68.1		mg/Kg	☼	97	75 - 125		
Zinc	74		27.6	106		mg/Kg	☼	116	75 - 125		

Lab Sample ID: 180-159478-12 MSD
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: SSHS-ISMP-NAF-UT-S76
Prep Type: Total/NA
Prep Batch: 440799

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7600		531	7750	4	mg/Kg	☼	21	75 - 125	4	20
Antimony	0.54	J F2 F1	26.5	8.49	F2 F1	mg/Kg	☼	30	75 - 125	27	20
Arsenic	7.9		106	108		mg/Kg	☼	95	75 - 125	5	20
Barium	170	F2 F1	106	316	F1 F2	mg/Kg	☼	137	75 - 125	31	20
Beryllium	0.40	J	53.1	48.6		mg/Kg	☼	91	75 - 125	5	20
Cadmium	0.77		53.1	45.8		mg/Kg	☼	85	75 - 125	4	20
Calcium	43000		2650	16000	4	mg/Kg	☼	-1012	75 - 125	6	20
Chromium	11		53.1	59.2		mg/Kg	☼	90	75 - 125	5	20
Cobalt	7.2		53.1	59.2		mg/Kg	☼	98	75 - 125	4	20
Copper	32	F1	53.1	98.5	F1	mg/Kg	☼	126	75 - 125	15	20
Iron	20000		531	24000	4	mg/Kg	☼	796	75 - 125	16	20
Lead	55	F2 F1	53.1	180	F1 F2	mg/Kg	☼	237	75 - 125	107	20
Magnesium	6800	F1	2650	5620	F1	mg/Kg	☼	-46	75 - 125	5	20
Manganese	390		53.1	395	4	mg/Kg	☼	17	75 - 125	12	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159478-12 MSD — **Client Sample ID: SSHS-ISMP-NAF-UT-S76**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441298 — **Prep Batch: 440799**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	20		53.1	71.8		mg/Kg	☼	97	75 - 125	4	20
Potassium	540		2650	2900		mg/Kg	☼	89	75 - 125	7	20
Selenium	ND		106	102		mg/Kg	☼	96	75 - 125	2	20
Silver	ND		26.5	23.8		mg/Kg	☼	90	75 - 125	4	20
Sodium	86	J	2650	2650		mg/Kg	☼	97	75 - 125	5	20
Thallium	ND		106	88.7		mg/Kg	☼	84	75 - 125	3	20
Vanadium	15		53.1	65.1		mg/Kg	☼	95	75 - 125	4	20
Zinc	74		26.5	103		mg/Kg	☼	107	75 - 125	3	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440812/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440812**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/20/23 10:00	07/21/23 09:59	1

Lab Sample ID: LCS 180-440812/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440812**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.419		mg/Kg		101	80 - 120

Lab Sample ID: 180-159478-12 MS — **Client Sample ID: SSHS-ISMP-NAF-UT-S76**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440812**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.031	J F1	0.173	0.251	F1	mg/Kg	☼	127	80 - 120

Lab Sample ID: 180-159478-12 MSD — **Client Sample ID: SSHS-ISMP-NAF-UT-S76**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440812**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.031	J F1	0.179	0.262	F1	mg/Kg	☼	129	80 - 120	4	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159478-1 DU — **Client Sample ID: SSHS-ISMP-NAF-UT-S70**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 440821

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	19.4		19.2		%		1	10
Percent Solids	80.6		80.8		%		0.3	10

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

Method: 2540G - SM 2540G (Continued)

Lab Sample ID: 180-159478-11 DU
Client Sample ID: SSHS-ISMP-NAF-DUP17A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440821

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16.7			17.1		%				2	10
Percent Solids	83.3			82.9		%				0.5	10

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159478-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 440837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	EPA 8260C	440846
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	EPA 8260C	440846
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	EPA 8260C	440846
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	EPA 8260C	440846
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	EPA 8260C	440846
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	EPA 8260C	440846
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	EPA 8260C	440846
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	EPA 8260C	440846
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	EPA 8260C	440846
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	EPA 8260C	440846
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	EPA 8260C	440846
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8260C	440846
MB 180-440837/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440837/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440837/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8260C	440846
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8260C	440846

Prep Batch: 440846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	5035	
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	5035	
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	5035	
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	5035	
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	5035	
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	5035	
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	5035	
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	5035	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	5035	
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	5035	
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	5035	
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	5035	
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	5035	
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 440901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	3541	
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	3541	
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	3541	
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	3541	
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	3541	
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	3541	
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	3541	
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	3541	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	3541	
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	3541	
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	3541	
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 440901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-440901/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440901/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3541	
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3541	

Analysis Batch: 440941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	EPA 8270D	440901
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	EPA 8270D	440901
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	EPA 8270D	440901
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	EPA 8270D	440901
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	EPA 8270D	440901
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	EPA 8270D	440901
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	EPA 8270D	440901
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	EPA 8270D	440901
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	EPA 8270D	440901
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	EPA 8270D	440901
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	EPA 8270D	440901
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8270D	440901
MB 180-440901/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440901
LCS 180-440901/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440901
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8270D	440901
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8270D	440901

GC Semi VOA

Prep Batch: 440900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	3541	
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	3541	
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	3541	
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	3541	
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	3541	
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	3541	
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	3541	
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	3541	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	3541	
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	3541	
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	3541	
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3541	
MB 180-440900/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-440900/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3541	
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3541	

Cleanup Batch: 440992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	3665A	440900
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	3665A	440900
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	3665A	440900
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	3665A	440900

GC Semi VOA (Continued)

Cleanup Batch: 440992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	3665A	440900
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	3665A	440900
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	3665A	440900
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	3665A	440900
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	3665A	440900
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	3665A	440900
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	3665A	440900
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3665A	440900
MB 180-440900/1-C	Method Blank	Total/NA	Solid	3665A	440900
LCS 180-440900/2-C	Lab Control Sample	Total/NA	Solid	3665A	440900
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3665A	440900
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3665A	440900

Cleanup Batch: 440993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	3660B	440992
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	3660B	440992
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	3660B	440992
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	3660B	440992
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	3660B	440992
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	3660B	440992
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	3660B	440992
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	3660B	440992
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	3660B	440992
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	3660B	440992
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	3660B	440992
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3660B	440992
MB 180-440900/1-C	Method Blank	Total/NA	Solid	3660B	440992
LCS 180-440900/2-C	Lab Control Sample	Total/NA	Solid	3660B	440992
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3660B	440992
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3660B	440992

Analysis Batch: 440995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	EPA 8082A	440993
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	EPA 8082A	440993
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	EPA 8082A	440993
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	EPA 8082A	440993
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	EPA 8082A	440993
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	EPA 8082A	440993
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	EPA 8082A	440993
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	EPA 8082A	440993
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	EPA 8082A	440993
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	EPA 8082A	440993
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	EPA 8082A	440993
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8082A	440993
MB 180-440900/1-C	Method Blank	Total/NA	Solid	EPA 8082A	440993
LCS 180-440900/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	440993
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8082A	440993
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 8082A	440993

Metals

Prep Batch: 440799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	3050B	
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	3050B	
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	3050B	
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	3050B	
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	3050B	
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	3050B	
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	3050B	
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	3050B	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	3050B	
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	3050B	
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	3050B	
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3050B	
MB 180-440799/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440799/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3050B	
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	3050B	

Prep Batch: 440812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	7471B	
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	7471B	
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	7471B	
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	7471B	
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	7471B	
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	7471B	
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	7471B	
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	7471B	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	7471B	
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	7471B	
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	7471B	
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	7471B	
MB 180-440812/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440812/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	7471B	
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	7471B	

Analysis Batch: 441092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	EPA 7471B	440812
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	EPA 7471B	440812
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	EPA 7471B	440812
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	EPA 7471B	440812
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	EPA 7471B	440812
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	EPA 7471B	440812
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	EPA 7471B	440812
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	EPA 7471B	440812
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	EPA 7471B	440812
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	EPA 7471B	440812
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	EPA 7471B	440812
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 7471B	440812
MB 180-440812/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440812

Metals (Continued)

Analysis Batch: 441092 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-440812/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440812
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 7471B	440812
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 7471B	440812

Analysis Batch: 441298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	EPA 6010C	440799
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	EPA 6010C	440799
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	EPA 6010C	440799
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	EPA 6010C	440799
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	EPA 6010C	440799
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	EPA 6010C	440799
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	EPA 6010C	440799
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	EPA 6010C	440799
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	EPA 6010C	440799
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	EPA 6010C	440799
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	EPA 6010C	440799
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 6010C	440799
MB 180-440799/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440799
LCS 180-440799/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440799
180-159478-12 MS	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 6010C	440799
180-159478-12 MSD	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	EPA 6010C	440799

General Chemistry

Analysis Batch: 440821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159478-1	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	2540G	
180-159478-2	SSHS-ISMP-NAF-DUP16A	Total/NA	Solid	2540G	
180-159478-3	SSHS-ISMP-NAF-UT-S71	Total/NA	Solid	2540G	
180-159478-4	SSHS-ISMP-NAF-UT-S72	Total/NA	Solid	2540G	
180-159478-5	SSHS-ISMP-NAF-UT-B21	Total/NA	Solid	2540G	
180-159478-6	SSHS-ISMP-NAF-UT-S73	Total/NA	Solid	2540G	
180-159478-7	SSHS-ISMP-NAF-UT-S74	Total/NA	Solid	2540G	
180-159478-8	SSHS-ISMP-NAF-UT-B22	Total/NA	Solid	2540G	
180-159478-9	SSHS-ISMP-NAF-UT-S75	Total/NA	Solid	2540G	
180-159478-10	SSHS-ISMP-NAF-UT-B23	Total/NA	Solid	2540G	
180-159478-11	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	2540G	
180-159478-12	SSHS-ISMP-NAF-UT-S76	Total/NA	Solid	2540G	
180-159478-1 DU	SSHS-ISMP-NAF-UT-S70	Total/NA	Solid	2540G	
180-159478-11 DU	SSHS-ISMP-NAF-DUP17A	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S70	7/18/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP16A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S71	7/18/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S72	7/18/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B21	7/18/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S73	7/18/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S74	7/18/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B22	7/18/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S75	7/18/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B23	7/18/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP17A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S76	7/18/23	1500	G	S	N	Y	X	X	X	X			16	

180-159478 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: –	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Atchuah	Date/Time: 7/18/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 0915	Company: Eurofins
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-159478 Chain of Custody

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S70	7/18/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP16A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S71	7/18/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S72	7/18/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B21	7/18/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S73	7/18/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S74	7/18/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B22	7/18/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S75	7/18/23	1450	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B23	7/18/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP17A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S76	7/18/23	1500	G	S	N	Y	X	X	X	X			16	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Mujaida Jatelech	Date/Time: 7/18/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 940	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2 9

Ver: 01/16/2019

7/25/2023

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Sacramento
Sample Receiving Notes

180-159478 Field Sheet

Job. _____

Tracking # 7727 3625 7269

SO / FO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID: L10 Corr Factor (+ / -) _____ °C

Ice ✓ Wet _____ Gel _____ Other _____

Cooler Custody Seal ✓

Cooler ID _____

Temp Observed. 2.9 °C Corrected 2.9 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JF Date: 7/19/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SD Date. 7/19/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials SD Date. 7/19/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159478-1

Login Number: 159478
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159476-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159476-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159476-1

Receipt
The samples were received on 7/19/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.2º C, 2.2º C, 2.3º C, 2.4º C, 2.9º C and 3.7º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-440981 was above criteria for the following analytes: Trichlorofluoromethane and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: SSHS-ISMP-NAF-UT-S65 (180-159476-14). Elevated reporting limits (RLs) are provided.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S61 (180-159476-7) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-440941 was above criteria for the following analytes: Bis(2-chloroethoxy)methane, Butyl benzyl phthalate and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441026 was above criteria for the following analytes: Di-n-octyl phthalate and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441158 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The following sample was diluted to bring the concentration of calcium within the instrument's linear range: SSHS-ISMP-NAF-UT-B18 (180-159476-12). Elevated reporting limits (RLs) are provided.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S61 (180-159476-7) had several recoveries and the RPD between the spikes for antimony outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159476-1	SSHS-ISMP-NAF-UT-S55	Solid	07/18/23 12:40	07/19/23 09:15
180-159476-2	SSHS-ISMP-NAF-UT-S56	Solid	07/18/23 12:45	07/19/23 09:15
180-159476-3	SSHS-ISMP-NAF-UT-S57	Solid	07/18/23 12:50	07/19/23 09:15
180-159476-4	SSHS-ISMP-NAF-DUP15A	Solid	07/18/23 00:00	07/19/23 09:15
180-159476-5	SSHS-ISMP-NAF-UT-S58	Solid	07/18/23 12:55	07/19/23 09:15
180-159476-6	SSHS-ISMP-NAF-UT-B17	Solid	07/18/23 13:00	07/19/23 09:15
180-159476-7	SSHS-ISMP-NAF-UT-S61	Solid	07/18/23 13:05	07/19/23 09:15
180-159476-8	SSHS-ISMP-NAF-UT-S62	Solid	07/18/23 13:10	07/19/23 09:15
180-159476-9	SSHS-ISMP-NAF-UT-S63	Solid	07/18/23 13:15	07/19/23 09:15
180-159476-10	SSHS-ISMP-NAF-UT-S59	Solid	07/18/23 13:20	07/19/23 09:15
180-159476-11	SSHS-ISMP-NAF-UT-S60	Solid	07/18/23 13:25	07/19/23 09:15
180-159476-12	SSHS-ISMP-NAF-UT-B18	Solid	07/18/23 13:30	07/19/23 09:15
180-159476-13	SSHS-ISMP-NAF-UT-S64	Solid	07/18/23 13:35	07/19/23 09:15
180-159476-14	SSHS-ISMP-NAF-UT-S65	Solid	07/18/23 13:40	07/19/23 09:15
180-159476-15	SSHS-ISMP-NAF-UT-B19	Solid	07/18/23 13:45	07/19/23 09:15
180-159476-16	SSHS-ISMP-NAF-UT-S66	Solid	07/18/23 13:50	07/19/23 09:15
180-159476-17	SSHS-ISMP-NAF-UT-S67	Solid	07/18/23 13:55	07/19/23 09:15
180-159476-18	SSHS-ISMP-NAF-UT-B20	Solid	07/18/23 14:00	07/19/23 09:15
180-159476-19	SSHS-ISMP-NAF-UT-S68	Solid	07/18/23 14:05	07/19/23 09:15
180-159476-20	SSHS-ISMP-NAF-UT-S69	Solid	07/18/23 14:10	07/19/23 09:15

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S55
Lab Sample ID: 180-159476-1
Date Collected: 07/18/23 12:40
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S55
Lab Sample ID: 180-159476-1
Date Collected: 07/18/23 12:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3369 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/20/23 22:25	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 22:02	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 15:46	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.83 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:38	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3264 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/20/23 22:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 22:25	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 16:03	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.57 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:35	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:34	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3
Date Collected: 07/18/23 12:50
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3
Date Collected: 07/18/23 12:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2648 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/20/23 23:10	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 22:47	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.4 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 16:21	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:30	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:33	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6625 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/20/23 23:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 23:09	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 16:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.57 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:25	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2346 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 05:35	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 23:32	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 16:57	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.64 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:19	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:31	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6
Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6
Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5598 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 00:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 23:54	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 17:14	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.50 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:14	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:29	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7
Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7
Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5836 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/20/23 21:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/20/23 20:55	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 14:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.65 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 15:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8
Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8
Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4879 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 00:41	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/21/23 00:16	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8
Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 17:32	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.64 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:39	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9
Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9
Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6035 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 01:03	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/21/23 00:38	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 17:50	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.59 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:50	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:40	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10
Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10
Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8895 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 01:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/21/23 01:01	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.5 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 18:07	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.65 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 16:55	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3365 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 01:48	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440941	07/21/23 01:23	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
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Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 18:25	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.61 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.61 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 09:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4627 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 02:11	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441158	07/24/23 08:50	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 19:18	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.83 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.83 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 09:56	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
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Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.83 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		10			441636	07/26/23 10:01	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S64
Lab Sample ID: 180-159476-13
Date Collected: 07/18/23 13:35
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S64
Lab Sample ID: 180-159476-13
Date Collected: 07/18/23 13:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	440846	07/19/23 16:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 05:57	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440905	07/20/23 21:54	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.2 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 19:36	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:06	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:44	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6317 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 02:56	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440905	07/20/23 22:16	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541	DL		15.0 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D	DL	5	1 mL	1 mL	441026	07/21/23 11:53	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 19:53	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.56 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:25	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.56 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15
Date Collected: 07/18/23 13:45
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15
Date Collected: 07/18/23 13:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3973 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 03:19	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440905	07/20/23 22:38	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.5 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 20:11	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.54 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:30	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.54 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:46	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16
Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16
Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3376 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 03:42	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	440865	07/20/23 21:08	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 20:29	JMO	EET PIT
	Instrument ID: CHGC20									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16
Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.79 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:35	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.79 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:47	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17
Date Collected: 07/18/23 13:55
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17
Date Collected: 07/18/23 13:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4629 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 04:04	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441026	07/21/23 12:15	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 20:46	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.59 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.59 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:52	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18
Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18
Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3316 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 04:27	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441026	07/21/23 12:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 21:04	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.82 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.82 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:53	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19
Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19
Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4297 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/21/23 04:50	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19
Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441026	07/21/23 12:58	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 21:22	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:50	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.63 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:54	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			440820	07/19/23 13:41	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5586 g	5 mL	440847	07/19/23 17:53	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	440981	07/20/23 20:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	440896	07/20/23 07:37	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441026	07/21/23 13:20	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	440819	07/20/23 00:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	440919	07/20/23 09:22	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	440920	07/20/23 09:24	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	440860	07/20/23 21:39	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.59 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 17:55	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20

Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.59 g	50 mL	440800	07/20/23 08:13	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441636	07/26/23 10:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	440811	07/20/23 09:50	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441092	07/21/23 09:55	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- CBY = Charles Yushinski
- MEG = Megan Gray
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SJM = Shannon Mueller

Batch Type: Analysis
- AAS = Ariana Swick
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SNR = Sabra Richart
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S55
Lab Sample ID: 180-159476-1
Date Collected: 07/18/23 12:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 84.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Carbon disulfide	ND		5.6	4.4	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Chloroethane	ND		5.6	3.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
trans-1,2-Dichloroethene	ND		5.6	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S55
Lab Sample ID: 180-159476-1
Date Collected: 07/18/23 12:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 84.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.6	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*07/19/23 17:53*	*07/20/23 22:25*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*07/19/23 17:53*	*07/20/23 22:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/19/23 17:53*	*07/20/23 22:25*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/19/23 17:53*	*07/20/23 22:25*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Acenaphthylene	ND		78	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Acetophenone	ND		780	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Anthracene	ND		78	20	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Atrazine	ND		780	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Benzaldehyde	ND		780	48	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Carbazole	ND		78	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Chrysene	ND		78	43	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S55
Lab Sample ID: 180-159476-1
Date Collected: 07/18/23 12:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 84.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Fluoranthene	ND		78	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Fluorene	ND		78	15	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Naphthalene	ND		78	15	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Phenanthrene	ND		78	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
Pyrene	ND		78	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*07/20/23 07:37*	*07/20/23 22:02*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/20/23 07:37*	*07/20/23 22:02*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:02*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:02*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/20/23 07:37*	*07/20/23 22:02*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*07/20/23 07:37*	*07/20/23 22:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1

Client Sample ID: SSHS-ISMP-NAF-UT-S55
Lab Sample ID: 180-159476-1
Date Collected: 07/18/23 12:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 84.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*07/20/23 00:30*	*07/20/23 15:46*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*07/20/23 00:30*	*07/20/23 15:46*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 15:46*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 15:46*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		14	3.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Antimony	ND		0.71	0.22	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Arsenic	**4.3**		0.71	0.45	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Barium	**78**		14	2.5	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Beryllium	**0.44**		0.29	0.078	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Cadmium	**0.60**		0.36	0.052	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Calcium	**600**		360	46	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Chromium	**12**		0.36	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Cobalt	**6.5**		3.6	0.50	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Copper	**13**		1.8	1.1	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Iron	**16000**		7.1	7.0	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Lead	**7.8**		0.71	0.62	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Magnesium	**2000**		360	39	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Manganese	**230**		1.1	0.20	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Nickel	**15**		2.9	0.36	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Potassium	**390**		360	61	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Selenium	ND		0.71	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Silver	ND		0.36	0.074	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Sodium	ND		360	37	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Thallium	**0.40**	**J**	1.4	0.20	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Vanadium	**18**		3.6	0.57	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1
Zinc	**50**		1.4	1.0	mg/Kg	☼	07/20/23 08:13	07/24/23 16:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J B**	0.037	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.7**		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	**84.3**		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Benzene	ND		5.8	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.8	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,4-Dioxane	ND		1200	88	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Styrene	ND		5.8	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Toluene	ND		5.8	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	07/19/23 17:53	07/20/23 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*	*07/19/23 17:53*	*07/20/23 22:47*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*07/19/23 17:53*	*07/20/23 22:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/19/23 17:53*	*07/20/23 22:47*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*07/19/23 17:53*	*07/20/23 22:47*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	24	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Acenaphthylene	**350**		82	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Acetophenone	ND		820	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Anthracene	**210**		82	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Atrazine	ND		820	180	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Benzaldehyde	ND		820	51	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Benzo[a]anthracene	**1800**		82	37	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Benzo[a]pyrene	**1100**		82	35	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Benzo[b]fluoranthene	**2000**		82	20	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Benzo[g,h,i]perylene	**1200**		82	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Benzo[k]fluoranthene	**680**		82	25	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Carbazole	**38**	**J**	82	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4-Chlorophenyl phenyl ether	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Chrysene	**2200**		82	45	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Dibenz(a,h)anthracene	**320**		82	52	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,4-Dichlorophenol	ND		82	31	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4,6-Dinitro-2-methylphenol	ND		2100	700	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2
Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		820	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Fluoranthene	**2400**		82	22	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Fluorene	**26**	**J**	82	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Hexachlorocyclopentadiene	ND		400	42	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Indeno[1,2,3-cd]pyrene	**980**		82	41	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2-Methylnaphthalene	**81**	**J**	82	20	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2-Methylphenol	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Naphthalene	**110**		82	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Nitrobenzene	ND		820	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
N-Nitrosodiphenylamine	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Phenanthrene	**710**		82	22	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
Pyrene	**3700**		82	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1
2,4,6-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/20/23 07:37*	*07/20/23 22:25*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*07/20/23 07:37*	*07/20/23 22:25*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:25*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:25*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*07/20/23 07:37*	*07/20/23 22:25*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*07/20/23 07:37*	*07/20/23 22:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1221	ND		20	7.2	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1242	ND		20	3.0	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1248	ND		20	4.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1254	ND		20	6.1	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1260	ND		20	5.8	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1262	ND		20	7.1	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:03	1

Client Sample ID: SSHS-ISMP-NAF-UT-S56
Lab Sample ID: 180-159476-2

Date Collected: 07/18/23 12:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:03*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:03*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:03*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:03*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	5.4	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Antimony	**0.39**	**J**	1.1	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Arsenic	**7.2**		1.1	0.68	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Barium	**120**		22	3.9	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Beryllium	**0.50**		0.43	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Cadmium	**0.88**		0.54	0.079	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Calcium	**7400**		540	70	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Chromium	**15**		0.54	0.49	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Cobalt	**9.2**		5.4	0.76	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Copper	**36**		2.7	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Iron	**19000**		11	11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Lead	**26**		1.1	0.94	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Magnesium	**3500**		540	59	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Manganese	**430**		1.6	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Nickel	**28**		4.3	0.55	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Potassium	**870**		540	92	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Selenium	ND		1.1	0.50	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Silver	ND		0.54	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Sodium	**57**	**J**	540	55	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Thallium	ND		2.2	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Vanadium	**16**		5.4	0.86	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1
Zinc	**120**		2.2	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:35	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**	**B**	0.038	0.025	mg/Kg	☼	07/20/23 09:50	07/21/23 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.9**		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	**81.1**		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3

Date Collected: 07/18/23 12:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3
Date Collected: 07/18/23 12:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/19/23 17:53	07/20/23 23:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3

Date Collected: 07/18/23 12:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/19/23 17:53*	*07/20/23 23:10*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/19/23 17:53*	*07/20/23 23:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*07/19/23 17:53*	*07/20/23 23:10*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/19/23 17:53*	*07/20/23 23:10*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Acenaphthylene	ND		80	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Acetophenone	ND		800	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Anthracene	ND		80	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Atrazine	ND		800	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Benzaldehyde	ND		800	49	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Benzo[a]pyrene	ND		80	34	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Benzo[b]fluoranthene	ND		80	20	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Carbazole	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Chrysene	ND		80	44	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Fluoranthene	ND		80	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Fluorene	ND		80	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Hexachlorobenzene	ND		80	28	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3

Date Collected: 07/18/23 12:50
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Naphthalene	ND		80	15	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Phenanthrene	ND		80	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
Pyrene	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*07/20/23 07:37*	*07/20/23 22:47*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/20/23 07:37*	*07/20/23 22:47*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:47*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:47*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/20/23 07:37*	*07/20/23 22:47*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*07/20/23 07:37*	*07/20/23 22:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1221	ND		19	6.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1248	ND		19	4.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1260	**40**		19	5.5	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/20/23 00:30	07/20/23 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:21*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:21*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:21*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S57
Lab Sample ID: 180-159476-3
Date Collected: 07/18/23 12:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		22	5.4	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Antimony	ND		1.1	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Arsenic	**6.8**		1.1	0.68	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Barium	**100**		22	3.9	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Beryllium	**0.48**		0.44	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Cadmium	**0.68**		0.54	0.080	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Calcium	**11000**		540	70	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Chromium	**12**		0.54	0.50	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Cobalt	**6.8**		5.4	0.77	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Copper	**20**		2.7	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Iron	**18000**		11	11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Lead	**13**		1.1	0.95	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Magnesium	**2800**		540	60	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Manganese	**420**		1.6	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Nickel	**18**		4.4	0.55	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Potassium	**650**		540	93	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Selenium	ND		1.1	0.50	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Silver	ND		0.54	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Sodium	ND		540	56	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Thallium	ND		2.2	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Vanadium	**17**		5.4	0.86	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1
Zinc	**65**		2.2	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J B**	0.037	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.5**		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	**83.5**		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 17:53	07/20/23 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*	*07/19/23 17:53*	*07/20/23 23:33*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*07/19/23 17:53*	*07/20/23 23:33*	*1*

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4

Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*07/19/23 17:53*	*07/20/23 23:33*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*07/19/23 17:53*	*07/20/23 23:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Acetophenone	ND		770	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Anthracene	ND		77	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Atrazine	ND		770	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Benzaldehyde	ND		770	48	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Benzo[a]anthracene	ND		77	35	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Benzo[b]fluoranthene	**29**	**J**	77	19	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Benzo[g,h,i]perylene	ND		77	17	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Carbazole	ND		77	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Chrysene	ND		77	43	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Fluoranthene	**31**	**J**	77	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Fluorene	ND		77	15	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Hexachlorobenzene	ND		77	28	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Hexachlorobutadiene	ND		77	23	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4
Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Isophorone	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Naphthalene	ND		77	15	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,2'-oxybis[1-chloropropane]	ND		77	29	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Phenanthrene	ND		77	21	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Phenol	ND		380	120	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
Pyrene	**48**	**J**	77	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/20/23 07:37*	*07/20/23 23:09*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/20/23 07:37*	*07/20/23 23:09*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/20/23 07:37*	*07/20/23 23:09*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*07/20/23 07:37*	*07/20/23 23:09*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/20/23 07:37*	*07/20/23 23:09*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*07/20/23 07:37*	*07/20/23 23:09*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.3	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1221	ND		20	6.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1260	ND		20	5.5	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1
PCB-1268	ND		20	2.6	ug/Kg	☼	07/20/23 00:30	07/20/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:39*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:39*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:39*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:39*	*1*

Client Sample ID: SSHS-ISMP-NAF-DUP15A
Lab Sample ID: 180-159476-4

Date Collected: 07/18/23 00:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8500		21	5.2	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Antimony	0.41	J	1.0	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Arsenic	4.8		1.0	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Barium	85		21	3.7	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Beryllium	0.36	J	0.42	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Cadmium	0.58		0.52	0.077	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Calcium	12000		520	68	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Chromium	10		0.52	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Cobalt	6.5		5.2	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Copper	17		2.6	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Iron	15000		10	10	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Lead	8.4		1.0	0.91	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Magnesium	3500		520	58	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Manganese	330		1.6	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Nickel	17		4.2	0.53	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Potassium	530		520	89	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Selenium	ND		1.0	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Sodium	ND		520	54	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Thallium	0.37	J	2.1	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Vanadium	14		5.2	0.83	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1
Zinc	54		2.1	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 16:25	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	J B	0.035	0.022	mg/Kg	☼	07/20/23 09:50	07/21/23 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.3		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	83.7		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5

Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		34	5.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Benzene	ND		6.9	1.9	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Bromoform	ND		6.9	3.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Bromomethane	ND		6.9	3.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
2-Butanone (MEK)	ND		34	3.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Carbon disulfide	ND		6.9	5.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Carbon tetrachloride	ND		6.9	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Chlorobenzene	ND		6.9	1.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Chlorobromomethane	ND		6.9	4.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Chlorodibromomethane	ND		6.9	3.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Chloroethane	ND		6.9	4.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Chloroform	ND		6.9	4.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		6.9	2.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
cis-1,2-Dichloroethene	ND		6.9	2.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
cis-1,3-Dichloropropene	ND		6.9	3.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Cyclohexane	ND		6.9	3.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2-Dibromo-3-Chloropropane	ND		6.9	4.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2-Dibromoethane	ND		6.9	1.9	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2-Dichlorobenzene	ND		6.9	2.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,3-Dichlorobenzene	ND		6.9	4.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,4-Dichlorobenzene	ND		6.9	2.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Dichlorobromomethane	ND		6.9	3.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Dichlorodifluoromethane	ND		6.9	3.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,1-Dichloroethane	ND		6.9	2.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2-Dichloroethane	ND		6.9	2.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,1-Dichloroethene	ND		6.9	3.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2-Dichloroethene, Total	ND		14	5.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2-Dichloropropane	ND		6.9	1.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,4-Dioxane	ND		1400	100	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Ethylbenzene	ND		6.9	2.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
2-Hexanone	ND		34	2.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Isopropylbenzene	ND		6.9	3.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Methyl acetate	ND		34	10	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Methylcyclohexane	ND		6.9	3.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Methylene Chloride	ND		6.9	6.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Methyl tert-butyl ether	ND		6.9	2.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
m-Xylene & p-Xylene	ND		6.9	2.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
o-Xylene	ND		6.9	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Styrene	ND		6.9	2.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,1,2,2-Tetrachloroethane	ND		6.9	2.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Tetrachloroethene	ND		6.9	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Toluene	ND		6.9	2.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
trans-1,2-Dichloroethene	ND		6.9	2.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
trans-1,3-Dichloropropene	ND		6.9	3.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2,3-Trichlorobenzene	ND		14	3.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,2,4-Trichlorobenzene	ND		6.9	3.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,1,1-Trichloroethane	ND		6.9	2.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,1,2-Trichloroethane	ND		6.9	1.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Trichloroethene	ND		6.9	2.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Trichlorofluoromethane	ND		6.9	5.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.9	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Vinyl chloride	ND		6.9	5.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1
Xylenes, Total	ND		14	9.9	ug/Kg	☼	07/19/23 16:00	07/21/23 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*60 - 124*	*07/19/23 16:00*	*07/21/23 05:35*	*1*
Dibromofluoromethane (Surr)	*123*		*69 - 126*	*07/19/23 16:00*	*07/21/23 05:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*07/19/23 16:00*	*07/21/23 05:35*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*07/19/23 16:00*	*07/21/23 05:35*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		93	27	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Acenaphthylene	**120**		93	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Acetophenone	ND		930	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Anthracene	**56**	**J**	93	24	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Atrazine	ND		930	200	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Benzaldehyde	ND		930	58	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Benzo[a]anthracene	**270**		93	42	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Benzo[a]pyrene	**310**		93	40	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Benzo[b]fluoranthene	**360**		93	23	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Benzo[g,h,i]perylene	**300**		93	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Benzo[k]fluoranthene	**160**		93	28	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
1,1'-Biphenyl	ND		460	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Bis(2-chloroethoxy)methane	ND		460	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Bis(2-chloroethyl)ether	ND		93	17	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Bis(2-ethylhexyl) phthalate	ND		4600	490	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4-Bromophenyl phenyl ether	ND		460	200	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Butyl benzyl phthalate	ND		460	320	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Caprolactam	ND		2400	300	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Carbazole	ND		93	22	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4-Chloroaniline	ND		460	120	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4-Chloro-3-methylphenol	ND		460	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2-Chloronaphthalene	ND		93	21	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2-Chlorophenol	ND		460	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4-Chlorophenyl phenyl ether	ND		460	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Chrysene	**370**		93	52	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Dibenz(a,h)anthracene	ND		93	60	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Dibenzofuran	ND		460	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
3,3'-Dichlorobenzidine	ND		460	430	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,4-Dichlorophenol	ND		93	36	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Diethyl phthalate	ND		460	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,4-Dimethylphenol	ND		460	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Dimethyl phthalate	ND		460	180	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Di-n-butyl phthalate	ND		460	200	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4,6-Dinitro-2-methylphenol	ND		2400	800	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,4-Dinitrophenol	ND		4600	2900	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,4-Dinitrotoluene	ND		460	280	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,6-Dinitrotoluene	ND		460	180	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Di-n-octyl phthalate	ND		460	270	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
1,4-Dioxane	ND		930	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Fluoranthene	**280**		93	25	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Fluorene	ND		93	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Hexachlorobenzene	ND		93	33	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Hexachlorobutadiene	ND		93	27	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Hexachlorocyclopentadiene	ND		460	48	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Hexachloroethane	ND		460	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Indeno[1,2,3-cd]pyrene	**230**		93	46	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Isophorone	ND		460	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2-Methylnaphthalene	**38**	**J**	93	22	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2-Methylphenol	ND		460	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		460	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Naphthalene	**61**	**J**	93	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2-Nitroaniline	ND		2400	210	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
3-Nitroaniline	ND		2400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4-Nitroaniline	ND		2400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Nitrobenzene	ND		930	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2-Nitrophenol	ND		460	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
4-Nitrophenol	ND		2400	330	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
N-Nitrosodi-n-propylamine	ND		93	31	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
N-Nitrosodiphenylamine	ND		460	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,2'-oxybis[1-chloropropane]	ND		93	34	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Pentachlorophenol	ND		2400	750	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Phenanthrene	**90**	**J**	93	25	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Phenol	ND		460	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
Pyrene	**510**		93	22	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
1,2,4,5-Tetrachlorobenzene	ND		460	180	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,3,4,6-Tetrachlorophenol	ND		460	190	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,4,5-Trichlorophenol	ND		460	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1
2,4,6-Trichlorophenol	ND		460	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/20/23 07:37*	*07/20/23 23:32*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/20/23 07:37*	*07/20/23 23:32*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*07/20/23 07:37*	*07/20/23 23:32*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*07/20/23 07:37*	*07/20/23 23:32*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/20/23 07:37*	*07/20/23 23:32*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*07/20/23 07:37*	*07/20/23 23:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		24	7.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1221	ND		24	8.4	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1232	ND		24	5.8	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1242	ND		24	3.5	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1248	ND		24	5.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1254	ND		24	7.1	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1260	ND		24	6.7	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1262	ND		24	8.3	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1
PCB-1268	ND		24	3.2	ug/Kg	☼	07/20/23 00:30	07/20/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:57*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*07/20/23 00:30*	*07/20/23 16:57*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:57*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 16:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		23	5.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Antimony	**0.56**	**J**	1.1	0.34	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-S58
Lab Sample ID: 180-159476-5
Date Collected: 07/18/23 12:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 69.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		1.1	0.71	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Barium	55		23	4.0	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Beryllium	0.28	J	0.45	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Cadmium	0.63		0.56	0.083	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Calcium	57000		560	73	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Chromium	9.3		0.56	0.51	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Cobalt	5.8		5.6	0.79	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Copper	22		2.8	1.7	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Iron	15000		11	11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Lead	12		1.1	0.98	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Magnesium	6300		560	62	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Manganese	370		1.7	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Nickel	17		4.5	0.57	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Potassium	490	J	560	96	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Selenium	ND		1.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Silver	ND		0.56	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Sodium	92	J	560	58	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Thallium	ND		2.3	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Vanadium	12		5.6	0.89	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1
Zinc	65		2.3	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.048	0.031	mg/Kg	☼	07/20/23 09:50	07/21/23 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	30.6		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	69.4		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6
Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6
Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*07/19/23 17:53*	*07/21/23 00:18*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*07/19/23 17:53*	*07/21/23 00:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*07/19/23 17:53*	*07/21/23 00:18*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*07/19/23 17:53*	*07/21/23 00:18*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6
Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**39**	**J**	76	17	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Acetophenone	ND		760	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Anthracene	ND		76	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Atrazine	ND		760	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Benzo[a]anthracene	**90**		76	34	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Benzo[a]pyrene	**97**		76	33	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Benzo[b]fluoranthene	**130**		76	19	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Benzo[g,h,i]perylene	**85**		76	16	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Benzo[k]fluoranthene	**46**	**J**	76	23	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Carbazole	ND		76	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4-Chloroaniline	ND		380	99	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Chrysene	**100**		76	42	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Dibenz(a,h)anthracene	ND		76	49	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Fluoranthene	**97**		76	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Fluorene	ND		76	15	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Hexachloroethane	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Indeno[1,2,3-cd]pyrene	**82**		76	38	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Isophorone	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6

Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		76	15	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Phenanthrene	**28**	**J**	76	20	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Phenol	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
Pyrene	**140**		76	18	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/20/23 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*07/20/23 07:37*	*07/20/23 23:54*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*07/20/23 07:37*	*07/20/23 23:54*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/20/23 07:37*	*07/20/23 23:54*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/20/23 07:37*	*07/20/23 23:54*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/20/23 07:37*	*07/20/23 23:54*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*07/20/23 07:37*	*07/20/23 23:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/20/23 00:30	07/20/23 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 17:14*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*07/20/23 00:30*	*07/20/23 17:14*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/20/23 00:30*	*07/20/23 17:14*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/20/23 00:30*	*07/20/23 17:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		23	5.7	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Antimony	**0.43**	**J**	1.1	0.34	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Arsenic	**6.4**		1.1	0.71	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1

Client Sample ID: SSHS-ISMP-NAF-UT-B17
Lab Sample ID: 180-159476-6

Date Collected: 07/18/23 13:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	96		23	4.0	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Beryllium	0.50		0.45	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Cadmium	0.67		0.57	0.083	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Calcium	2600		570	73	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Chromium	12		0.57	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Cobalt	7.4		5.7	0.80	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Copper	25		2.8	1.7	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Iron	18000		11	11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Lead	15		1.1	0.99	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Magnesium	2200		570	62	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Manganese	520		1.7	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Nickel	18		4.5	0.57	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Potassium	590		570	97	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Selenium	ND		1.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Silver	ND		0.57	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Sodium	ND		570	58	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Thallium	0.65	J	2.3	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Vanadium	17		5.7	0.90	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1
Zinc	63		2.3	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	J B	0.034	0.022	mg/Kg	☼	07/20/23 09:50	07/21/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.0		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	88.0		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7

Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
cis-1,2-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7
Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/19/23 17:53	07/20/23 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/19/23 17:53*	*07/20/23 21:17*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*07/19/23 17:53*	*07/20/23 21:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*07/19/23 17:53*	*07/20/23 21:17*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/19/23 17:53*	*07/20/23 21:17*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Acenaphthylene	ND		81	18	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7
Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		810	140	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Anthracene	ND		81	21	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Atrazine	ND	F1	810	180	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Benzaldehyde	ND	F1	810	50	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Benzo[a]anthracene	ND		81	36	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Benzo[a]pyrene	ND		81	35	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Benzo[b]fluoranthene	ND		81	20	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Benzo[g,h,i]perylene	ND		81	17	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Benzo[k]fluoranthene	ND		81	24	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Caprolactam	ND		2100	260	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Carbazole	ND		81	19	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2-Chloronaphthalene	ND		81	19	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Chrysene	ND		81	45	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Dibenz(a,h)anthracene	ND		81	52	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Dibenzofuran	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4,6-Dinitro-2-methylphenol	ND	F1	2100	700	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,4-Dinitrophenol	ND	F1	4000	2500	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Fluoranthene	ND		81	21	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Fluorene	ND		81	16	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Hexachlorobutadiene	ND		81	24	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Hexachlorocyclopentadiene	ND	F1	400	41	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Indeno[1,2,3-cd]pyrene	ND		81	40	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2-Methylnaphthalene	ND		81	19	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2-Methylphenol	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Naphthalene	ND		81	16	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7
Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2100	180	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Nitrobenzene	ND		810	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
4-Nitrophenol	ND		2100	280	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Pentachlorophenol	ND		2100	650	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Phenanthrene	ND		81	22	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
Pyrene	ND		81	19	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/20/23 07:37*	*07/20/23 20:55*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*07/20/23 07:37*	*07/20/23 20:55*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*07/20/23 07:37*	*07/20/23 20:55*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/20/23 07:37*	*07/20/23 20:55*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*07/20/23 07:37*	*07/20/23 20:55*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*07/20/23 07:37*	*07/20/23 20:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1242	ND		20	3.0	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1254	ND		20	6.1	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1260	**59**		20	5.7	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1262	ND		20	7.1	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/20/23 00:30*	*07/20/23 14:53*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*07/20/23 00:30*	*07/20/23 14:53*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*07/20/23 00:30*	*07/20/23 14:53*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*07/20/23 00:30*	*07/20/23 14:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Antimony	ND	F2 F1	0.94	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Arsenic	**3.8**		0.94	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Barium	**130**	**F1**	19	3.3	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Lab Sample ID: 180-159476-7

Date Collected: 07/18/23 13:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.52		0.38	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Cadmium	0.56		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Calcium	1200	F1	470	61	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Chromium	12		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Cobalt	7.9		4.7	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Copper	10		2.3	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Iron	15000		9.4	9.1	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Lead	10		0.94	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Magnesium	1800		470	52	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Manganese	650		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Nickel	16		3.8	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Potassium	390	J	470	80	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Selenium	ND		0.94	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Silver	ND		0.47	0.098	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Sodium	89	J	470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Thallium	0.53	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Vanadium	18		4.7	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1
Zinc	54	F1	1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 15:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J B	0.037	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.0		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	82.0		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8

Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Chloromethane	ND		5.7	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8
Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Dichlorobromomethane	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Isopropylbenzene	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/19/23 17:53	07/21/23 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*60 - 124*	*07/19/23 17:53*	*07/21/23 00:41*	*1*
Dibromofluoromethane (Surr)	*124*		*69 - 126*	*07/19/23 17:53*	*07/21/23 00:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*07/19/23 17:53*	*07/21/23 00:41*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*07/19/23 17:53*	*07/21/23 00:41*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Acenaphthylene	ND		83	18	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Acetophenone	ND		830	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8
Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		83	21	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Atrazine	ND		830	180	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Benzaldehyde	ND		830	51	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Benzo[a]pyrene	ND		83	36	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Benzo[b]fluoranthene	ND		83	20	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Caprolactam	ND		2100	270	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Carbazole	ND		83	19	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Chrysene	ND		83	46	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Dibenzofuran	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Fluoranthene	ND		83	22	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Fluorene	ND		83	16	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Hexachloroethane	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Isophorone	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2-Methylphenol	ND		410	120	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Naphthalene	ND		83	16	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8
Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2100	100	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Nitrobenzene	ND		830	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Phenanthrene	ND		83	22	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Phenol	ND		410	120	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
Pyrene	ND		83	20	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/20/23 07:37*	*07/21/23 00:16*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/20/23 07:37*	*07/21/23 00:16*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/20/23 07:37*	*07/21/23 00:16*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*07/20/23 07:37*	*07/21/23 00:16*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*07/20/23 07:37*	*07/21/23 00:16*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*07/20/23 07:37*	*07/21/23 00:16*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1221	ND		20	7.2	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1232	ND		20	5.0	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1242	ND		20	3.0	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1248	ND		20	4.9	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1254	ND		20	6.1	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1260	ND		20	5.8	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1262	ND		20	7.1	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*07/20/23 00:30*	*07/20/23 17:32*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*07/20/23 00:30*	*07/20/23 17:32*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*07/20/23 00:30*	*07/20/23 17:32*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*07/20/23 00:30*	*07/20/23 17:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		19	4.8	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Antimony	ND		0.97	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Arsenic	**3.8**		0.97	0.61	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Barium	**160**		19	3.5	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Beryllium	**0.46**		0.39	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S62
Lab Sample ID: 180-159476-8

Date Collected: 07/18/23 13:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 80.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.49		0.49	0.071	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Calcium	2500		490	63	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Chromium	11		0.49	0.44	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Cobalt	6.9		4.9	0.68	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Copper	13		2.4	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Iron	12000		9.7	9.5	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Lead	20		0.97	0.85	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Magnesium	1800		490	53	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Manganese	320		1.5	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Nickel	14		3.9	0.49	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Potassium	440	J	490	83	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Selenium	ND		0.97	0.45	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Silver	ND		0.49	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Sodium	65	J	490	50	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Thallium	0.59	J	1.9	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Vanadium	15		4.9	0.77	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1
Zinc	57		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 16:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.075	B	0.041	0.026	mg/Kg	☼	07/20/23 09:50	07/21/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	19.6		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	80.4		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9

Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
cis-1,2-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9

Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*07/19/23 17:53*	*07/21/23 01:03*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*07/19/23 17:53*	*07/21/23 01:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/19/23 17:53*	*07/21/23 01:03*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*07/19/23 17:53*	*07/21/23 01:03*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Acetophenone	ND		790	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Anthracene	ND		79	20	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9
Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		790	170	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Benzo[a]anthracene	**47**	**J**	79	36	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Benzo[b]fluoranthene	**31**	**J**	79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Carbazole	ND		79	18	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Chrysene	ND		79	44	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Dibenz(a,h)anthracene	ND		79	51	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Fluoranthene	**62**	**J**	79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Fluorene	ND		79	15	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Naphthalene	ND		79	15	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9

Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
Pyrene	**76**	**J**	79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*07/20/23 07:37*	*07/21/23 00:38*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*07/20/23 07:37*	*07/21/23 00:38*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*07/20/23 07:37*	*07/21/23 00:38*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*07/20/23 07:37*	*07/21/23 00:38*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*07/20/23 07:37*	*07/21/23 00:38*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*07/20/23 07:37*	*07/21/23 00:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1260	ND		20	5.7	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 17:50*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/20/23 00:30*	*07/20/23 17:50*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*07/20/23 00:30*	*07/20/23 17:50*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*07/20/23 00:30*	*07/20/23 17:50*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		21	5.2	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Arsenic	**4.8**		1.0	0.65	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Barium	**110**		21	3.7	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Beryllium	**0.45**		0.41	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Cadmium	**0.67**		0.52	0.076	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S63
Lab Sample ID: 180-159476-9

Date Collected: 07/18/23 13:15
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	7100		520	67	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Chromium	12		0.52	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Cobalt	7.2		5.2	0.73	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Copper	15		2.6	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Iron	17000		10	10	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Lead	17		1.0	0.90	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Magnesium	2600		520	57	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Manganese	730		1.6	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Nickel	17		4.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Potassium	590		520	88	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Selenium	ND		1.0	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Sodium	57	J	520	53	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Thallium	0.38	J	2.1	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Vanadium	17		5.2	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1
Zinc	64		2.1	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 16:50	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	B	0.038	0.025	mg/Kg	☼	07/20/23 09:50	07/21/23 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.2		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	81.8		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10

Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10
Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*	*07/19/23 17:53*	*07/21/23 01:26*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*07/19/23 17:53*	*07/21/23 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*	*07/19/23 17:53*	*07/21/23 01:26*	*1*
Toluene-d8 (Surr)	*109*		*67 - 134*	*07/19/23 17:53*	*07/21/23 01:26*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Acetophenone	ND		790	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Anthracene	ND		79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Atrazine	ND		790	170	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10
Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		790	49	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Carbazole	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Chrysene	ND		79	44	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Dibenz(a,h)anthracene	ND		79	51	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Fluoranthene	ND		79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Fluorene	ND		79	16	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Naphthalene	ND		79	15	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10

Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		790	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
Pyrene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/20/23 07:37*	*07/21/23 01:01*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*07/20/23 07:37*	*07/21/23 01:01*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*07/20/23 07:37*	*07/21/23 01:01*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/20/23 07:37*	*07/21/23 01:01*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*07/20/23 07:37*	*07/21/23 01:01*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*07/20/23 07:37*	*07/21/23 01:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/20/23 00:30*	*07/20/23 18:07*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*07/20/23 00:30*	*07/20/23 18:07*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*07/20/23 00:30*	*07/20/23 18:07*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*07/20/23 00:30*	*07/20/23 18:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Antimony	**0.31**	**J**	0.94	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Arsenic	**8.1**		0.94	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Barium	**59**		19	3.4	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Beryllium	**0.52**		0.38	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Cadmium	**0.72**		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Calcium	**1000**		470	61	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1

Client Sample ID: SSHS-ISMP-NAF-UT-S59
Lab Sample ID: 180-159476-10

Date Collected: 07/18/23 13:20
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 81.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Cobalt	8.5		4.7	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Copper	18		2.4	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Iron	19000		9.4	9.2	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Lead	10		0.94	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Magnesium	2500		470	52	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Manganese	330		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Nickel	20		3.8	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Potassium	570		470	80	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Selenium	ND		0.94	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Silver	ND		0.47	0.098	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Sodium	82	J	470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Thallium	0.38	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Vanadium	20		4.7	0.75	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1
Zinc	58		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 16:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	J B	0.040	0.026	mg/Kg	☼	07/20/23 09:50	07/21/23 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.4		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	81.6		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11

Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/19/23 17:53	07/21/23 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*07/19/23 17:53*	*07/21/23 01:48*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/19/23 17:53*	*07/21/23 01:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*07/19/23 17:53*	*07/21/23 01:48*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*07/19/23 17:53*	*07/21/23 01:48*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Acetophenone	ND		790	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Anthracene	ND		79	20	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Atrazine	ND		790	170	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Carbazole	ND		79	18	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Chrysene	ND		79	44	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Dibenz(a,h)anthracene	ND		79	51	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Fluoranthene	ND		79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Fluorene	ND		79	16	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Naphthalene	ND		79	15	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Phenanthrene	ND		79	21	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
Pyrene	ND		79	19	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*07/20/23 07:37*	*07/21/23 01:23*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*07/20/23 07:37*	*07/21/23 01:23*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/20/23 07:37*	*07/21/23 01:23*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*07/20/23 07:37*	*07/21/23 01:23*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*07/20/23 07:37*	*07/21/23 01:23*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*07/20/23 07:37*	*07/21/23 01:23*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*07/20/23 00:30*	*07/20/23 18:25*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*07/20/23 00:30*	*07/20/23 18:25*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/20/23 00:30*	*07/20/23 18:25*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/20/23 00:30*	*07/20/23 18:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		20	5.0	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Antimony	ND		1.0	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Arsenic	**5.7**		1.0	0.62	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Barium	**64**		20	3.5	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Beryllium	**0.42**		0.40	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Cadmium	**0.65**		0.50	0.073	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Calcium	**1000**		500	64	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Chromium	**13**		0.50	0.45	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-S60
Lab Sample ID: 180-159476-11
Date Collected: 07/18/23 13:25
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	6.9		5.0	0.70	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Copper	13		2.5	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Iron	17000		10	9.7	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Lead	9.9		1.0	0.87	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Magnesium	2400		500	55	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Manganese	180		1.5	0.28	mg/Kg	☼	07/20/23 08:13	07/26/23 09:51	1
Nickel	17		4.0	0.50	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Potassium	420	J	500	85	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Selenium	ND		1.0	0.46	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Sodium	ND		500	51	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Thallium	0.45	J	2.0	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Vanadium	18		5.0	0.79	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1
Zinc	59		2.0	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.7		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	82.3		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*07/19/23 17:53*	*07/21/23 02:11*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*07/19/23 17:53*	*07/21/23 02:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/19/23 17:53*	*07/21/23 02:11*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*07/19/23 17:53*	*07/21/23 02:11*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Acetophenone	ND		740	130	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Anthracene	ND		74	19	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Atrazine	ND		740	160	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Benzo[b]fluoranthene	**18**	**J**	74	18	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Carbazole	ND		74	17	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Chrysene	ND		74	41	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,4-Dichlorophenol	ND		74	29	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Fluoranthene	**28**	**J**	74	20	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Fluorene	ND		74	15	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Hexachlorobenzene	ND		74	27	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Isophorone	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Naphthalene	ND		74	14	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Nitrobenzene	ND		740	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B18
Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Phenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
Pyrene	**32**	**J**	74	18	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/24/23 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*07/20/23 07:37*	*07/24/23 08:50*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*07/20/23 07:37*	*07/24/23 08:50*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*07/20/23 07:37*	*07/24/23 08:50*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*07/20/23 07:37*	*07/24/23 08:50*	*1*
Terphenyl-d14 (Surr)	*64*		*39 - 105*	*07/20/23 07:37*	*07/24/23 08:50*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*07/20/23 07:37*	*07/24/23 08:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 19:18*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*07/20/23 00:30*	*07/20/23 19:18*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/20/23 00:30*	*07/20/23 19:18*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*07/20/23 00:30*	*07/20/23 19:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		14	3.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Antimony	**0.28**	**J**	0.69	0.21	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Arsenic	**4.1**		0.69	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Barium	**70**		14	2.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Beryllium	**0.32**		0.27	0.075	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Cadmium	**0.62**		0.34	0.050	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Calcium	**61000**		3400	440	mg/Kg	☼	07/20/23 08:13	07/26/23 10:01	10
Chromium	**10**		0.34	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Cobalt	**6.1**		3.4	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1

Client Sample ID: SSHS-ISMP-NAF-UT-B18

Lab Sample ID: 180-159476-12
Date Collected: 07/18/23 13:30
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	18		1.7	1.0	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Iron	14000		6.9	6.7	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Lead	8.3		0.69	0.60	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Magnesium	6300		340	38	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Manganese	360		1.0	0.19	mg/Kg	☼	07/20/23 08:13	07/26/23 09:56	1
Nickel	16		2.7	0.35	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Potassium	520		340	58	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Selenium	ND		0.69	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Silver	ND		0.34	0.071	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Sodium	86	J	340	35	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Thallium	0.22	J	1.4	0.19	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Vanadium	14		3.4	0.54	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1
Zinc	59		1.4	1.0	mg/Kg	☼	07/20/23 08:13	07/24/23 17:15	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/20/23 09:50	07/21/23 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.2		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	87.8		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S64

Lab Sample ID: 180-159476-13
Date Collected: 07/18/23 13:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 89.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1

Client Sample ID: SSHS-ISMP-NAF-UT-S64
Lab Sample ID: 180-159476-13
Date Collected: 07/18/23 13:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 89.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/19/23 16:00	07/21/23 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*	*07/19/23 16:00*	*07/21/23 05:57*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*07/19/23 16:00*	*07/21/23 05:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/19/23 16:00*	*07/21/23 05:57*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*07/19/23 16:00*	*07/21/23 05:57*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Acenaphthylene	**26**	**J**	75	16	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Acetophenone	ND		750	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Anthracene	**27**	**J**	75	19	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Atrazine	ND		750	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Benzo[a]anthracene	**150**		75	34	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Benzo[a]pyrene	**150**		75	32	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S64
Lab Sample ID: 180-159476-13
Date Collected: 07/18/23 13:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 89.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**130**		75	18	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Benzo[g,h,i]perylene	**110**		75	16	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Benzo[k]fluoranthene	**110**		75	22	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Bis(2-chloroethyl)ether	ND		75	13	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Carbazole	ND		75	17	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Chrysene	**130**		75	41	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Fluoranthene	**200**		75	20	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Fluorene	ND		75	15	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Indeno[1,2,3-cd]pyrene	**84**		75	37	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Isophorone	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Naphthalene	**15**	**J**	75	14	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-S64
Lab Sample ID: 180-159476-13

Date Collected: 07/18/23 13:35
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 89.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Phenanthrene	**89**		75	20	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Phenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
Pyrene	**310**		75	18	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*07/20/23 07:37*	*07/20/23 21:54*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/20/23 07:37*	*07/20/23 21:54*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*07/20/23 07:37*	*07/20/23 21:54*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*07/20/23 07:37*	*07/20/23 21:54*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/20/23 07:37*	*07/20/23 21:54*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*07/20/23 07:37*	*07/20/23 21:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/20/23 00:30	07/20/23 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 19:36*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*07/20/23 00:30*	*07/20/23 19:36*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*07/20/23 00:30*	*07/20/23 19:36*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*07/20/23 00:30*	*07/20/23 19:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Antimony	**0.43**	**J**	0.93	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Arsenic	**9.0**		0.93	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Barium	**97**		19	3.3	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Beryllium	**0.47**		0.37	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Cadmium	**0.76**		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Calcium	**3600**		470	60	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Chromium	**11**		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Cobalt	**9.2**		4.7	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Copper	**37**		2.3	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1

Client Sample ID: SSHS-ISMP-NAF-UT-S64
Lab Sample ID: 180-159476-13
Date Collected: 07/18/23 13:35
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 89.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	18000		9.3	9.1	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Lead	63		0.93	0.81	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Magnesium	2700		470	51	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Manganese	700		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/26/23 10:06	1
Nickel	18		3.7	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Potassium	610		470	80	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Sodium	68	J	470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Thallium	0.31	J	1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Vanadium	17		4.7	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1
Zinc	71		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:20	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.56	B	0.037	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.8		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	89.2		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/19/23 17:53	07/21/23 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*60 - 124*	*07/19/23 17:53*	*07/21/23 02:56*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*07/19/23 17:53*	*07/21/23 02:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*07/19/23 17:53*	*07/21/23 02:56*	*1*
Toluene-d8 (Surr)	*118*		*67 - 134*	*07/19/23 17:53*	*07/21/23 02:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2900**		80	23	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Acenaphthylene	**190**		80	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Acetophenone	ND		800	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Anthracene	**5400**		80	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Atrazine	ND		800	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Benzaldehyde	ND		800	50	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Benzo[a]anthracene	**10000**		80	36	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Benzo[a]pyrene	**8000**		80	35	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Benzo[b]fluoranthene	**8800**		80	20	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**6100**		80	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Benzo[k]fluoranthene	**3400**		80	24	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
1,1'-Biphenyl	**190**	**J**	400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Butyl benzyl phthalate	ND		400	270	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Carbazole	**2400**		80	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4-Chloroaniline	ND		400	100	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Chrysene	**8600**		80	44	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Dibenz(a,h)anthracene	**2500**		80	51	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Dibenzofuran	**1600**		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Di-n-butyl phthalate	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Fluoranthene	**16000**	**E**	80	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Fluorene	**2500**		80	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Hexachloroethane	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Indeno[1,2,3-cd]pyrene	**5200**		80	40	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Isophorone	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2-Methylnaphthalene	**610**		80	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2-Methylphenol	ND		400	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Naphthalene	**900**		80	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Phenanthrene	**20000**	**E**	80	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Phenol	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
Pyrene	**24000**	**E**	80	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/20/23 07:37*	*07/20/23 22:16*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*07/20/23 07:37*	*07/20/23 22:16*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:16*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:16*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*07/20/23 07:37*	*07/20/23 22:16*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*07/20/23 07:37*	*07/20/23 22:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3000**		400	110	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Acenaphthylene	**210**	**J**	400	87	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Acetophenone	ND		4000	710	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Anthracene	**5800**		400	100	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Atrazine	ND		4000	870	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Benzaldehyde	ND		4000	250	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Benzo[a]anthracene	**10000**		400	180	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Benzo[a]pyrene	**8900**		400	170	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Benzo[b]fluoranthene	**9100**		400	98	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Benzo[g,h,i]perylene	**5000**		400	86	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Benzo[k]fluoranthene	**4400**		400	120	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
1,1'-Biphenyl	ND		2000	730	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Bis(2-chloroethoxy)methane	ND		2000	730	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Bis(2-chloroethyl)ether	ND		400	72	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Bis(2-ethylhexyl) phthalate	ND		20000	2100	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4-Bromophenyl phenyl ether	ND		2000	850	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Butyl benzyl phthalate	ND		2000	1400	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Caprolactam	ND		10000	1300	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Carbazole	**2700**		400	93	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4-Chloroaniline	ND		2000	520	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4-Chloro-3-methylphenol	ND		2000	700	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2-Chloronaphthalene	ND		400	92	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2-Chlorophenol	ND		2000	740	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4-Chlorophenyl phenyl ether	ND		2000	660	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Chrysene	**9400**		400	220	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Dibenz(a,h)anthracene	**1300**		400	260	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Dibenzofuran	**1800**	**J**	2000	740	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
3,3'-Dichlorobenzidine	ND		2000	1900	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,4-Dichlorophenol	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14
Date Collected: 07/18/23 13:40
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		2000	700	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,4-Dimethylphenol	ND		2000	670	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Dimethyl phthalate	ND		2000	790	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Di-n-butyl phthalate	ND		2000	870	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4,6-Dinitro-2-methylphenol	ND		10000	3400	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,4-Dinitrophenol	ND		20000	12000	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,4-Dinitrotoluene	ND		2000	1200	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,6-Dinitrotoluene	ND		2000	780	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Di-n-octyl phthalate	ND		2000	1200	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
1,4-Dioxane	ND		4000	620	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Fluoranthene	**24000**		400	110	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Fluorene	**2600**		400	78	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Hexachlorobenzene	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Hexachlorobutadiene	ND		400	120	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Hexachlorocyclopentadiene	ND		2000	200	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Hexachloroethane	ND		2000	710	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Indeno[1,2,3-cd]pyrene	**4300**		400	200	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Isophorone	ND		2000	750	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2-Methylnaphthalene	**620**		400	96	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2-Methylphenol	ND		2000	570	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Methylphenol, 3 & 4	ND		2000	590	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Naphthalene	**950**		400	78	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2-Nitroaniline	ND		10000	910	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
3-Nitroaniline	ND		10000	510	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4-Nitroaniline	ND		10000	740	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Nitrobenzene	ND		4000	730	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2-Nitrophenol	ND		2000	740	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
4-Nitrophenol	ND		10000	1400	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
N-Nitrosodi-n-propylamine	ND		400	140	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
N-Nitrosodiphenylamine	ND		2000	660	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,2'-oxybis[1-chloropropane]	ND		400	150	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Pentachlorophenol	ND		10000	3200	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Phenanthrene	**25000**		400	110	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Phenol	ND		2000	600	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
Pyrene	**20000**		400	95	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
1,2,4,5-Tetrachlorobenzene	ND		2000	790	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,3,4,6-Tetrachlorophenol	ND		2000	830	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,4,5-Trichlorophenol	ND		2000	690	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5
2,4,6-Trichlorophenol	ND		2000	660	ug/Kg	☼	07/20/23 07:37	07/21/23 11:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/20/23 07:37*	*07/21/23 11:53*	*5*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/20/23 07:37*	*07/21/23 11:53*	*5*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/20/23 07:37*	*07/21/23 11:53*	*5*
Phenol-d5 (Surr)	*69*		*46 - 105*	*07/20/23 07:37*	*07/21/23 11:53*	*5*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*07/20/23 07:37*	*07/21/23 11:53*	*5*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/20/23 07:37*	*07/21/23 11:53*	*5*

Client Sample ID: SSHS-ISMP-NAF-UT-S65
Lab Sample ID: 180-159476-14

Date Collected: 07/18/23 13:40
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 83.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*07/20/23 00:30*	*07/20/23 19:53*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*07/20/23 00:30*	*07/20/23 19:53*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*07/20/23 00:30*	*07/20/23 19:53*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/20/23 00:30*	*07/20/23 19:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		21	5.3	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Antimony	**0.61**	**J**	1.1	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Arsenic	**8.7**		1.1	0.67	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Barium	**120**		21	3.8	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Beryllium	**0.39**	**J**	0.43	0.12	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Cadmium	**0.99**		0.53	0.078	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Calcium	**43000**		530	69	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Chromium	**20**		0.53	0.49	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Cobalt	**7.5**		5.3	0.75	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Copper	**81**		2.7	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Iron	**21000**		11	10	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Lead	**740**		1.1	0.93	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Magnesium	**5600**		530	59	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Manganese	**440**		1.6	0.30	mg/Kg	☼	07/20/23 08:13	07/26/23 10:11	1
Nickel	**48**		4.3	0.54	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Potassium	**660**		530	91	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Selenium	ND		1.1	0.49	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Silver	ND		0.53	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Sodium	**100**	**J**	530	55	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Thallium	ND		2.1	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Vanadium	**16**		5.3	0.85	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1
Zinc	**130**		2.1	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 17:25	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**	**B**	0.035	0.023	mg/Kg	☼	07/20/23 09:50	07/21/23 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.5**		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	**83.5**		0.1	0.1	%			07/19/23 13:41	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15
Date Collected: 07/18/23 13:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15

Date Collected: 07/18/23 13:45
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*60 - 124*	*07/19/23 17:53*	*07/21/23 03:19*	*1*
Dibromofluoromethane (Surr)	*123*		*69 - 126*	*07/19/23 17:53*	*07/21/23 03:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*	*07/19/23 17:53*	*07/21/23 03:19*	*1*
Toluene-d8 (Surr)	*116*		*67 - 134*	*07/19/23 17:53*	*07/21/23 03:19*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**48**	**J**	74	21	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Acenaphthylene	**33**	**J**	74	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Acetophenone	ND		740	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Anthracene	**110**		74	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Atrazine	ND		740	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Benzo[a]anthracene	**300**		74	33	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Benzo[a]pyrene	**300**		74	32	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Benzo[b]fluoranthene	**330**		74	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Benzo[g,h,i]perylene	**220**		74	16	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Benzo[k]fluoranthene	**140**		74	22	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Carbazole	**51**	**J**	74	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Chrysene	**290**		74	41	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
3,3'-Dichlorobenzidine	ND		370	340	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15
Date Collected: 07/18/23 13:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Di-n-octyl phthalate	ND		370	210	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Fluoranthene	**490**		74	19	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Fluorene	**45**	**J**	74	14	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Indeno[1,2,3-cd]pyrene	**200**		74	37	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Isophorone	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Naphthalene	**27**	**J**	74	14	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Nitrobenzene	ND		740	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Phenanthrene	**440**		74	20	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Phenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
Pyrene	**790**		74	17	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*07/20/23 07:37*	*07/20/23 22:38*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/20/23 07:37*	*07/20/23 22:38*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:38*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*07/20/23 07:37*	*07/20/23 22:38*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 105*	*07/20/23 07:37*	*07/20/23 22:38*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*07/20/23 07:37*	*07/20/23 22:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1

Client Sample ID: SSHS-ISMP-NAF-UT-B19
Lab Sample ID: 180-159476-15
Date Collected: 07/18/23 13:45
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 88.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*07/20/23 00:30*	*07/20/23 20:11*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/20/23 00:30*	*07/20/23 20:11*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*07/20/23 00:30*	*07/20/23 20:11*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*07/20/23 00:30*	*07/20/23 20:11*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		21	5.2	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Antimony	**0.32**	**J**	1.1	0.32	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Arsenic	**8.0**		1.1	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Barium	**86**		21	3.7	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Beryllium	**0.45**		0.42	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Cadmium	**0.76**		0.53	0.077	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Calcium	**3300**		530	68	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Chromium	**11**		0.53	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Cobalt	**7.2**		5.3	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Copper	**34**		2.6	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Iron	**19000**		11	10	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Lead	**76**		1.1	0.92	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Magnesium	**2200**		530	58	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Manganese	**540**		1.6	0.29	mg/Kg	☼	07/20/23 08:13	07/26/23 10:17	1
Nickel	**19**		4.2	0.53	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Potassium	**670**		530	90	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Selenium	ND		1.1	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Silver	ND		0.53	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Sodium	ND		530	54	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Thallium	**0.40**	**J**	2.1	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Vanadium	**16**		5.3	0.83	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1
Zinc	**76**		2.1	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 17:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.090**	**B**	0.037	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.0**		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	**88.0**		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16
Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16
Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Chlorodibromomethane	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
o-Xylene	ND		5.3	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Tetrachloroethene	ND		5.3	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16

Date Collected: 07/18/23 13:50
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Vinyl chloride	ND		5.3	3.9	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/19/23 17:53	07/21/23 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*	*07/19/23 17:53*	*07/21/23 03:42*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*07/19/23 17:53*	*07/21/23 03:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*73 - 135*	*07/19/23 17:53*	*07/21/23 03:42*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*07/19/23 17:53*	*07/21/23 03:42*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Acenaphthylene	**24**	**J**	75	16	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Acetophenone	ND		750	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Anthracene	**25**	**J**	75	19	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Atrazine	ND		750	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Benzo[a]anthracene	**180**		75	34	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Benzo[a]pyrene	**180**		75	32	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Benzo[b]fluoranthene	**170**		75	18	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Benzo[g,h,i]perylene	**120**		75	16	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Benzo[k]fluoranthene	**80**		75	22	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Carbazole	ND		75	17	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Chrysene	**170**		75	41	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16
Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Fluoranthene	**270**		75	20	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Fluorene	ND		75	15	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Indeno[1,2,3-cd]pyrene	**81**		75	37	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Isophorone	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Naphthalene	ND		75	15	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Phenanthrene	**100**		75	20	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Phenol	ND		370	110	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
Pyrene	**250**		75	18	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/20/23 07:37	07/20/23 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*07/20/23 07:37*	*07/20/23 21:08*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*07/20/23 07:37*	*07/20/23 21:08*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*	*07/20/23 07:37*	*07/20/23 21:08*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*07/20/23 07:37*	*07/20/23 21:08*	*1*
Terphenyl-d14 (Surr)	*58*		*39 - 105*	*07/20/23 07:37*	*07/20/23 21:08*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*07/20/23 07:37*	*07/20/23 21:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:29	1

Client Sample ID: SSHS-ISMP-NAF-UT-S66
Lab Sample ID: 180-159476-16

Date Collected: 07/18/23 13:50
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*07/20/23 00:30*	*07/20/23 20:29*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*07/20/23 00:30*	*07/20/23 20:29*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/20/23 00:30*	*07/20/23 20:29*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/20/23 00:30*	*07/20/23 20:29*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		14	3.6	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Antimony	**0.22**	**J**	0.72	0.22	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Arsenic	**5.4**		0.72	0.45	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Barium	**90**		14	2.6	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Beryllium	**0.37**		0.29	0.079	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Cadmium	**0.70**		0.36	0.053	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Calcium	**2700**		360	47	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Chromium	**13**		0.36	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Cobalt	**6.1**		3.6	0.51	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Copper	**23**		1.8	1.1	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Iron	**16000**		7.2	7.0	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Lead	**66**		0.72	0.63	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Magnesium	**2200**		360	40	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Manganese	**390**		1.1	0.20	mg/Kg	☼	07/20/23 08:13	07/26/23 10:32	1
Nickel	**17**		2.9	0.36	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Potassium	**470**		360	62	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Selenium	ND		0.72	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Silver	ND		0.36	0.075	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Sodium	ND		360	37	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Thallium	ND		1.4	0.21	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Vanadium	**15**		3.6	0.57	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1
Zinc	**90**		1.4	1.0	mg/Kg	☼	07/20/23 08:13	07/24/23 17:35	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.075**	**B**	0.038	0.024	mg/Kg	☼	07/20/23 09:50	07/21/23 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.4**		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	**87.6**		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17

Date Collected: 07/18/23 13:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17
Date Collected: 07/18/23 13:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:04	1

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17

Date Collected: 07/18/23 13:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 90.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*07/19/23 17:53*	*07/21/23 04:04*	*1*
Dibromofluoromethane (Surr)	*119*		*69 - 126*	*07/19/23 17:53*	*07/21/23 04:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*07/19/23 17:53*	*07/21/23 04:04*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*	*07/19/23 17:53*	*07/21/23 04:04*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Acenaphthylene	**57**	**J**	74	16	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Acetophenone	ND		740	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Anthracene	**120**		74	19	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Atrazine	ND		740	160	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Benzaldehyde	ND		740	45	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Benzo[a]anthracene	**400**		74	33	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Benzo[a]pyrene	**410**		74	32	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Benzo[b]fluoranthene	**420**		74	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Benzo[g,h,i]perylene	**240**		74	16	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Benzo[k]fluoranthene	**180**		74	22	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Carbazole	**27**	**J**	74	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Chrysene	**380**		74	41	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Dibenz(a,h)anthracene	**51**	**J**	74	47	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Fluoranthene	**730**		74	19	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Fluorene	**20**	**J**	74	14	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17

Date Collected: 07/18/23 13:55
Matrix: Solid

Date Received: 07/19/23 09:15
Percent Solids: 90.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Indeno[1,2,3-cd]pyrene	**200**		74	36	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Isophorone	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Naphthalene	**24**	**J**	74	14	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Phenanthrene	**460**		74	20	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Phenol	ND		360	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
Pyrene	**680**		74	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/20/23 07:37*	*07/21/23 12:15*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*07/20/23 07:37*	*07/21/23 12:15*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*07/20/23 07:37*	*07/21/23 12:15*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*07/20/23 07:37*	*07/21/23 12:15*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/20/23 07:37*	*07/21/23 12:15*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*	*07/20/23 07:37*	*07/21/23 12:15*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1260	ND		18	5.2	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1262	ND		18	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/20/23 00:30	07/20/23 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 20:46*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*07/20/23 00:30*	*07/20/23 20:46*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*07/20/23 00:30*	*07/20/23 20:46*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S67
Lab Sample ID: 180-159476-17
Date Collected: 07/18/23 13:55
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 90.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	99		55 - 135	07/20/23 00:30	07/20/23 20:46	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100		19	4.7	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Antimony	ND		0.94	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Arsenic	5.6		0.94	0.59	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Barium	92		19	3.3	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Beryllium	0.35	J	0.37	0.10	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Cadmium	0.63		0.47	0.069	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Calcium	4900		470	60	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Chromium	9.7		0.47	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Cobalt	6.1		4.7	0.66	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Copper	23		2.3	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Iron	15000		9.4	9.1	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Lead	42		0.94	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Magnesium	2200		470	51	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Manganese	470		1.4	0.26	mg/Kg	☼	07/20/23 08:13	07/26/23 10:37	1
Nickel	16		3.7	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Potassium	620		470	80	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Selenium	ND		0.94	0.43	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Silver	ND		0.47	0.097	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Sodium	ND		470	48	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Vanadium	14		4.7	0.74	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1
Zinc	61		1.9	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.065	B	0.036	0.023	mg/Kg	☼	07/20/23 09:50	07/21/23 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.5		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	90.5		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18
Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18
Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Dichlorobromomethane	ND		5.0	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Methylene Chloride	ND		5.0	4.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Toluene	ND		5.0	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*07/19/23 17:53*	*07/21/23 04:27*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*07/19/23 17:53*	*07/21/23 04:27*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18

Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*73 - 135*	*07/19/23 17:53*	*07/21/23 04:27*	*1*
Toluene-d8 (Surr)	*113*		*67 - 134*	*07/19/23 17:53*	*07/21/23 04:27*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Acenaphthylene	**33**	**J**	71	15	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Acetophenone	ND		710	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Anthracene	**45**	**J**	71	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Atrazine	ND		710	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Benzo[a]anthracene	**210**		71	32	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Benzo[a]pyrene	**220**		71	30	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Benzo[b]fluoranthene	**230**		71	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Benzo[g,h,i]perylene	**140**		71	15	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Benzo[k]fluoranthene	**99**		71	21	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Carbazole	ND		71	16	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Chrysene	**200**		71	39	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Fluoranthene	**310**		71	19	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Fluorene	ND		71	14	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18
Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Indeno[1,2,3-cd]pyrene	**130**		71	35	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Isophorone	ND		350	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Naphthalene	ND		71	14	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Phenanthrene	**150**		71	19	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Phenol	ND		350	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
Pyrene	**310**		71	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/20/23 07:37*	*07/21/23 12:36*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*07/20/23 07:37*	*07/21/23 12:36*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/20/23 07:37*	*07/21/23 12:36*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*07/20/23 07:37*	*07/21/23 12:36*	*1*
Terphenyl-d14 (Surr)	*66*		*39 - 105*	*07/20/23 07:37*	*07/21/23 12:36*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*07/20/23 07:37*	*07/21/23 12:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/20/23 00:30	07/20/23 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/20/23 00:30*	*07/20/23 21:04*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*07/20/23 00:30*	*07/20/23 21:04*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*07/20/23 00:30*	*07/20/23 21:04*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*07/20/23 00:30*	*07/20/23 21:04*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B20
Lab Sample ID: 180-159476-18

Date Collected: 07/18/23 14:00
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 92.9

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8200		13	3.3	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Antimony	0.41	J	0.66	0.20	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Arsenic	5.2		0.66	0.41	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Barium	71		13	2.3	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Beryllium	0.30		0.26	0.072	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Cadmium	0.73		0.33	0.048	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Calcium	30000		330	42	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Chromium	10		0.33	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Cobalt	6.8		3.3	0.46	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Copper	27		1.6	0.99	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Iron	16000		6.6	6.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Lead	20		0.66	0.57	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Magnesium	8600		330	36	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Manganese	480		0.98	0.18	mg/Kg	☼	07/20/23 08:13	07/26/23 10:42	1
Nickel	18		2.6	0.33	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Potassium	530		330	56	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Selenium	ND		0.66	0.30	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Silver	ND		0.33	0.068	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Sodium	69	J	330	34	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Thallium	ND		1.3	0.19	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Vanadium	13		3.3	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1
Zinc	64		1.3	0.95	mg/Kg	☼	07/20/23 08:13	07/24/23 17:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.069	B	0.034	0.022	mg/Kg	☼	07/20/23 09:50	07/21/23 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.1		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	92.9		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19

Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19
Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/19/23 17:53	07/21/23 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*07/19/23 17:53*	*07/21/23 04:50*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/19/23 17:53*	*07/21/23 04:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/19/23 17:53*	*07/21/23 04:50*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*07/19/23 17:53*	*07/21/23 04:50*	*1*

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Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19
Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Acetophenone	ND		770	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Anthracene	ND		77	20	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Atrazine	ND		770	170	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Benzaldehyde	ND		770	47	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Benzo[a]anthracene	**64**	**J**	77	34	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Benzo[a]pyrene	**73**	**J**	77	33	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Benzo[b]fluoranthene	**66**	**J**	77	19	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Benzo[g,h,i]perylene	**35**	**J**	77	17	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Benzo[k]fluoranthene	**35**	**J**	77	23	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Carbazole	ND		77	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Chrysene	**62**	**J**	77	42	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Fluoranthene	**96**		77	20	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Fluorene	ND		77	15	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Hexachloroethane	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Isophorone	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19

Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Naphthalene	ND		77	15	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Phenanthrene	**44**	**J**	77	21	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Phenol	ND		380	120	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
Pyrene	**96**		77	18	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/20/23 07:37	07/21/23 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*44 - 105*	*07/20/23 07:37*	*07/21/23 12:58*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/20/23 07:37*	*07/21/23 12:58*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*07/20/23 07:37*	*07/21/23 12:58*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*07/20/23 07:37*	*07/21/23 12:58*	*1*
Terphenyl-d14 (Surr)	*56*		*39 - 105*	*07/20/23 07:37*	*07/21/23 12:58*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*07/20/23 07:37*	*07/21/23 12:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/20/23 00:30	07/20/23 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*07/20/23 00:30*	*07/20/23 21:22*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*07/20/23 00:30*	*07/20/23 21:22*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*07/20/23 00:30*	*07/20/23 21:22*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*07/20/23 00:30*	*07/20/23 21:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		18	4.5	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Antimony	**0.42**	**J**	0.91	0.28	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-S68
Lab Sample ID: 180-159476-19

Date Collected: 07/18/23 14:05
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 87.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.3		0.91	0.57	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Barium	89		18	3.2	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Beryllium	0.40		0.36	0.099	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Cadmium	0.66		0.45	0.067	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Calcium	2600		450	59	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Chromium	11		0.45	0.41	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Cobalt	6.8		4.5	0.64	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Copper	82		2.3	1.4	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Iron	17000		9.1	8.9	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Lead	56		0.91	0.79	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Magnesium	2100		450	50	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Manganese	510		1.4	0.25	mg/Kg	☼	07/20/23 08:13	07/26/23 10:47	1
Nickel	17		3.6	0.46	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Potassium	650		450	77	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Selenium	ND		0.91	0.42	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Silver	ND		0.45	0.095	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Sodium	ND		450	47	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Thallium	0.38	J	1.8	0.26	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Vanadium	15		4.5	0.72	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1
Zinc	84		1.8	1.3	mg/Kg	☼	07/20/23 08:13	07/24/23 17:50	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085	B	0.035	0.023	mg/Kg	☼	07/20/23 09:50	07/21/23 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.7		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	87.3		0.1	0.1	%			07/19/23 13:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20

Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/19/23 17:53	07/20/23 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*07/19/23 17:53*	*07/20/23 20:54*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*07/19/23 17:53*	*07/20/23 20:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/19/23 17:53*	*07/20/23 20:54*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*07/19/23 17:53*	*07/20/23 20:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		80	17	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Acetophenone	ND		800	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Anthracene	ND		80	21	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Atrazine	ND		800	170	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Benzaldehyde	ND		800	49	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Benzo[a]pyrene	ND		80	34	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Benzo[b]fluoranthene	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Carbazole	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Chrysene	ND		80	44	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Fluoranthene	ND		80	21	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Fluorene	ND		80	16	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Hexachlorobenzene	ND		80	28	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Indeno[1,2,3-cd]pyrene	ND		80	39	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Isophorone	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		80	15	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Nitrobenzene	ND		800	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Phenanthrene	ND		80	21	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Phenol	ND		390	120	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
Pyrene	ND		80	19	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/20/23 07:37	07/21/23 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*44 - 105*	*07/20/23 07:37*	*07/21/23 13:20*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*07/20/23 07:37*	*07/21/23 13:20*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*07/20/23 07:37*	*07/21/23 13:20*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*07/20/23 07:37*	*07/21/23 13:20*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/20/23 07:37*	*07/21/23 13:20*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*07/20/23 07:37*	*07/21/23 13:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/20/23 00:30	07/20/23 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*07/20/23 00:30*	*07/20/23 21:39*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*07/20/23 00:30*	*07/20/23 21:39*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/20/23 00:30*	*07/20/23 21:39*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*07/20/23 00:30*	*07/20/23 21:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		21	5.2	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Arsenic	**4.5**		1.0	0.65	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S69
Lab Sample ID: 180-159476-20
Date Collected: 07/18/23 14:10
Matrix: Solid
Date Received: 07/19/23 09:15
Percent Solids: 82.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	120		21	3.7	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Beryllium	0.45		0.41	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Cadmium	0.57		0.52	0.076	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Calcium	1700		520	67	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Chromium	13		0.52	0.47	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Cobalt	6.0		5.2	0.73	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Copper	13		2.6	1.6	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Iron	16000		10	10	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Lead	13		1.0	0.90	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Magnesium	2300		520	57	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Manganese	310		1.6	0.29	mg/Kg	☼	07/20/23 08:13	07/26/23 10:52	1
Nickel	17		4.1	0.52	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Potassium	590		520	88	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Selenium	ND		1.0	0.48	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Silver	ND		0.52	0.11	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Sodium	ND		520	53	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Thallium	0.43	J	2.1	0.29	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Vanadium	16		5.2	0.82	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1
Zinc	62		2.1	1.5	mg/Kg	☼	07/20/23 08:13	07/24/23 17:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034	J B	0.040	0.025	mg/Kg	☼	07/20/23 09:50	07/21/23 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.0		0.1	0.1	%			07/19/23 13:41	1
Percent Solids (SM22 2540G)	82.0		0.1	0.1	%			07/19/23 13:41	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 180-159476-7 MS
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		43.9	29.5		ug/Kg	☼	67	23 - 170
Benzene	ND		43.9	45.8		ug/Kg	☼	104	77 - 120
Bromoform	ND		43.9	41.8		ug/Kg	☼	95	37 - 147
Bromomethane	ND		43.9	34.5		ug/Kg	☼	78	47 - 149
2-Butanone (MEK)	ND		43.9	36.6		ug/Kg	☼	83	39 - 157
Carbon disulfide	ND		43.9	42.2		ug/Kg	☼	96	40 - 156
Carbon tetrachloride	ND		43.9	40.9		ug/Kg	☼	93	73 - 130
Chlorobenzene	ND		43.9	41.5		ug/Kg	☼	94	79 - 122
Chlorobromomethane	ND		43.9	43.8		ug/Kg	☼	100	64 - 128
Chlorodibromomethane	ND		43.9	43.0		ug/Kg	☼	98	60 - 134
Chloroethane	ND		43.9	30.3		ug/Kg	☼	69	37 - 159
Chloroform	ND		43.9	46.4		ug/Kg	☼	106	73 - 126
Chloromethane	ND		43.9	49.3		ug/Kg	☼	112	46 - 151
cis-1,2-Dichloroethene	ND		43.9	44.3		ug/Kg	☼	101	77 - 118
cis-1,3-Dichloropropene	ND		43.9	43.0		ug/Kg	☼	98	73 - 127
Cyclohexane	ND		43.9	42.0		ug/Kg	☼	96	63 - 143
1,2-Dibromo-3-Chloropropane	ND		43.9	44.3		ug/Kg	☼	101	30 - 163
1,2-Dibromoethane	ND		43.9	46.4		ug/Kg	☼	106	59 - 137
1,2-Dichlorobenzene	ND		43.9	43.2		ug/Kg	☼	98	76 - 120
1,3-Dichlorobenzene	ND		43.9	42.6		ug/Kg	☼	97	77 - 121
1,4-Dichlorobenzene	ND		43.9	42.8		ug/Kg	☼	97	79 - 120
Dichlorobromomethane	ND		43.9	46.4		ug/Kg	☼	106	75 - 123
Dichlorodifluoromethane	ND		43.9	43.3		ug/Kg	☼	99	26 - 149
1,1-Dichloroethane	ND		43.9	45.0		ug/Kg	☼	102	73 - 124
1,2-Dichloroethane	ND		43.9	47.0		ug/Kg	☼	107	64 - 140
1,1-Dichloroethene	ND		43.9	43.5		ug/Kg	☼	99	55 - 136
1,2-Dichloroethene, Total	ND		87.8	88.3		ug/Kg	☼	101	77 - 119
1,2-Dichloropropane	ND		43.9	47.0		ug/Kg	☼	107	77 - 119
1,4-Dioxane	ND		878	881	J	ug/Kg	☼	100	18 - 166
Ethylbenzene	ND		43.9	42.0		ug/Kg	☼	96	79 - 119
2-Hexanone	ND		43.9	36.4		ug/Kg	☼	83	42 - 152
Isopropylbenzene	ND		43.9	42.8		ug/Kg	☼	98	70 - 125
Methyl acetate	ND		87.8	114		ug/Kg	☼	130	20 - 170
Methylcyclohexane	ND		43.9	40.8		ug/Kg	☼	93	70 - 125
Methylene Chloride	ND		43.9	49.1		ug/Kg	☼	112	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		43.9	43.1		ug/Kg	☼	98	51 - 147
Methyl tert-butyl ether	ND		43.9	46.5		ug/Kg	☼	106	58 - 132
m-Xylene & p-Xylene	ND		43.9	41.4		ug/Kg	☼	94	77 - 120
o-Xylene	ND		43.9	42.0		ug/Kg	☼	96	78 - 118
Styrene	ND		43.9	43.4		ug/Kg	☼	99	80 - 120
1,1,2,2-Tetrachloroethane	ND		43.9	49.2		ug/Kg	☼	112	36 - 170
Tetrachloroethene	ND		43.9	39.8		ug/Kg	☼	91	71 - 121
Toluene	ND		43.9	42.7		ug/Kg	☼	97	76 - 120
trans-1,2-Dichloroethene	ND		43.9	44.0		ug/Kg	☼	100	75 - 122
trans-1,3-Dichloropropene	ND		43.9	45.4		ug/Kg	☼	103	68 - 133
1,2,3-Trichlorobenzene	ND		43.9	46.1		ug/Kg	☼	105	29 - 166
1,2,4-Trichlorobenzene	ND		43.9	43.8		ug/Kg	☼	100	22 - 170
1,1,1-Trichloroethane	ND		43.9	43.2		ug/Kg	☼	98	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159476-7 MS
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	ND		43.9	46.9		ug/Kg	☼	107	66 - 128
Trichloroethene	ND		43.9	40.6		ug/Kg	☼	92	69 - 118
Trichlorofluoromethane	ND		43.9	46.4		ug/Kg	☼	106	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		43.9	42.3		ug/Kg	☼	96	59 - 135
Vinyl chloride	ND		43.9	45.0		ug/Kg	☼	103	64 - 134
Xylenes, Total	ND		87.8	83.4		ug/Kg	☼	95	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: 180-159476-7 MSD
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		43.9	23.8	J	ug/Kg	☼	54	23 - 170	21	35
Benzene	ND		43.9	44.1		ug/Kg	☼	101	77 - 120	4	20
Bromoform	ND		43.9	36.4		ug/Kg	☼	83	37 - 147	14	23
Bromomethane	ND		43.9	33.4		ug/Kg	☼	76	47 - 149	3	25
2-Butanone (MEK)	ND		43.9	26.6	J	ug/Kg	☼	61	39 - 157	32	33
Carbon disulfide	ND		43.9	42.3		ug/Kg	☼	96	40 - 156	0	25
Carbon tetrachloride	ND		43.9	40.1		ug/Kg	☼	91	73 - 130	2	21
Chlorobenzene	ND		43.9	41.2		ug/Kg	☼	94	79 - 122	1	20
Chlorobromomethane	ND		43.9	40.8		ug/Kg	☼	93	64 - 128	7	20
Chlorodibromomethane	ND		43.9	39.8		ug/Kg	☼	91	60 - 134	8	40
Chloroethane	ND		43.9	31.4		ug/Kg	☼	72	37 - 159	4	25
Chloroform	ND		43.9	44.3		ug/Kg	☼	101	73 - 126	5	20
Chloromethane	ND		43.9	47.1		ug/Kg	☼	107	46 - 151	4	33
cis-1,2-Dichloroethene	ND		43.9	42.7		ug/Kg	☼	97	77 - 118	4	20
cis-1,3-Dichloropropene	ND		43.9	40.2		ug/Kg	☼	92	73 - 127	7	20
Cyclohexane	ND		43.9	41.2		ug/Kg	☼	94	63 - 143	2	25
1,2-Dibromo-3-Chloropropane	ND		43.9	39.1		ug/Kg	☼	89	30 - 163	13	34
1,2-Dibromoethane	ND		43.9	42.2		ug/Kg	☼	96	59 - 137	9	20
1,2-Dichlorobenzene	ND		43.9	42.4		ug/Kg	☼	97	76 - 120	2	20
1,3-Dichlorobenzene	ND		43.9	42.0		ug/Kg	☼	96	77 - 121	1	20
1,4-Dichlorobenzene	ND		43.9	41.6		ug/Kg	☼	95	79 - 120	3	20
Dichlorobromomethane	ND		43.9	43.0		ug/Kg	☼	98	75 - 123	7	20
Dichlorodifluoromethane	ND		43.9	42.5		ug/Kg	☼	97	26 - 149	2	24
1,1-Dichloroethane	ND		43.9	43.5		ug/Kg	☼	99	73 - 124	3	20
1,2-Dichloroethane	ND		43.9	42.1		ug/Kg	☼	96	64 - 140	11	20
1,1-Dichloroethene	ND		43.9	42.1		ug/Kg	☼	96	55 - 136	3	21
1,2-Dichloroethene, Total	ND		87.7	85.4		ug/Kg	☼	97	77 - 119	3	20
1,2-Dichloropropane	ND		43.9	44.5		ug/Kg	☼	101	77 - 119	5	20
1,4-Dioxane	ND		877	877	J	ug/Kg	☼	100	18 - 166	1	40
Ethylbenzene	ND		43.9	42.4		ug/Kg	☼	97	79 - 119	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159476-7 MSD
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	ND		43.9	32.1		ug/Kg	☼	73	42 - 152	12	30
Isopropylbenzene	ND		43.9	43.2		ug/Kg	☼	98	70 - 125	1	21
Methyl acetate	ND		87.7	99.2		ug/Kg	☼	113	20 - 170	14	33
Methylcyclohexane	ND		43.9	40.0		ug/Kg	☼	91	70 - 125	2	22
Methylene Chloride	ND		43.9	46.5		ug/Kg	☼	106	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)	ND		43.9	37.8		ug/Kg	☼	86	51 - 147	13	27
Methyl tert-butyl ether	ND		43.9	41.6		ug/Kg	☼	95	58 - 132	11	24
m-Xylene & p-Xylene	ND		43.9	41.8		ug/Kg	☼	95	77 - 120	1	20
o-Xylene	ND		43.9	41.0		ug/Kg	☼	94	78 - 118	2	20
Styrene	ND		43.9	42.7		ug/Kg	☼	97	80 - 120	2	20
1,1,2,2-Tetrachloroethane	ND		43.9	43.2		ug/Kg	☼	99	36 - 170	13	23
Tetrachloroethene	ND		43.9	40.8		ug/Kg	☼	93	71 - 121	3	21
Toluene	ND		43.9	43.1		ug/Kg	☼	98	76 - 120	1	20
trans-1,2-Dichloroethene	ND		43.9	42.6		ug/Kg	☼	97	75 - 122	3	20
trans-1,3-Dichloropropene	ND		43.9	43.0		ug/Kg	☼	98	68 - 133	5	20
1,2,3-Trichlorobenzene	ND		43.9	43.6		ug/Kg	☼	99	29 - 166	6	40
1,2,4-Trichlorobenzene	ND		43.9	43.2		ug/Kg	☼	98	22 - 170	1	29
1,1,1-Trichloroethane	ND		43.9	42.6		ug/Kg	☼	97	72 - 134	1	20
1,1,2-Trichloroethane	ND		43.9	43.5		ug/Kg	☼	99	66 - 128	8	21
Trichloroethene	ND		43.9	39.5		ug/Kg	☼	90	69 - 118	3	20
Trichlorofluoromethane	ND		43.9	45.3		ug/Kg	☼	103	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		43.9	41.2		ug/Kg	☼	94	59 - 135	3	28
Vinyl chloride	ND		43.9	43.7		ug/Kg	☼	100	64 - 134	3	23
Xylenes, Total	ND		87.7	82.8		ug/Kg	☼	94	78 - 118	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*
Toluene-d8 (Surr)	*114*		*67 - 134*

Lab Sample ID: MB 180-440981/7
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/20/23 20:31	1
Benzene	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
Bromoform	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/20/23 20:31	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/20/23 20:31	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/20/23 20:31	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/20/23 20:31	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/20/23 20:31	1
Chloroform	ND		5.0	3.4	ug/Kg			07/20/23 20:31	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-440981/7
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/20/23 20:31	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/20/23 20:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/20/23 20:31	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/20/23 20:31	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/20/23 20:31	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/20/23 20:31	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/20/23 20:31	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/20/23 20:31	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/20/23 20:31	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/20/23 20:31	1
2-Hexanone	ND		25	1.6	ug/Kg			07/20/23 20:31	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/20/23 20:31	1
Methyl acetate	ND		25	7.4	ug/Kg			07/20/23 20:31	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/20/23 20:31	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/20/23 20:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/20/23 20:31	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/20/23 20:31	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Styrene	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/20/23 20:31	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Toluene	ND		5.0	1.4	ug/Kg			07/20/23 20:31	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/20/23 20:31	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/20/23 20:31	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/20/23 20:31	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/20/23 20:31	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/20/23 20:31	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/20/23 20:31	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/20/23 20:31	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/20/23 20:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/20/23 20:31	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/20/23 20:31	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/20/23 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*		*07/20/23 20:31*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*		*07/20/23 20:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*		*07/20/23 20:31*	*1*
Toluene-d8 (Surr)	*112*		*67 - 134*		*07/20/23 20:31*	*1*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440981/3
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	29.4		ug/Kg		73	23 - 170
Benzene	40.0	39.9		ug/Kg		100	77 - 120
Bromoform	40.0	33.2		ug/Kg		83	37 - 147
Bromomethane	40.0	34.9		ug/Kg		87	47 - 149
2-Butanone (MEK)	40.0	27.5		ug/Kg		69	39 - 157
Carbon disulfide	40.0	38.8		ug/Kg		97	40 - 156
Carbon tetrachloride	40.0	37.3		ug/Kg		93	73 - 130
Chlorobenzene	40.0	36.3		ug/Kg		91	79 - 122
Chlorobromomethane	40.0	36.1		ug/Kg		90	64 - 128
Chlorodibromomethane	40.0	35.7		ug/Kg		89	60 - 134
Chloroethane	40.0	38.4		ug/Kg		96	37 - 159
Chloroform	40.0	39.8		ug/Kg		99	73 - 126
Chloromethane	40.0	46.9		ug/Kg		117	46 - 151
cis-1,2-Dichloroethene	40.0	37.7		ug/Kg		94	77 - 118
cis-1,3-Dichloropropene	40.0	36.2		ug/Kg		91	73 - 127
Cyclohexane	40.0	37.3		ug/Kg		93	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	36.1		ug/Kg		90	30 - 163
1,2-Dibromoethane	40.0	37.5		ug/Kg		94	59 - 137
1,2-Dichlorobenzene	40.0	38.0		ug/Kg		95	76 - 120
1,3-Dichlorobenzene	40.0	36.7		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	36.8		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	38.4		ug/Kg		96	75 - 123
Dichlorodifluoromethane	40.0	38.9		ug/Kg		97	26 - 149
1,1-Dichloroethane	40.0	39.5		ug/Kg		99	73 - 124
1,2-Dichloroethane	40.0	39.1		ug/Kg		98	64 - 140
1,1-Dichloroethene	40.0	39.6		ug/Kg		99	55 - 136
1,2-Dichloroethene, Total	80.0	75.8		ug/Kg		95	77 - 119
1,2-Dichloropropane	40.0	39.1		ug/Kg		98	77 - 119
1,4-Dioxane	800	806	J	ug/Kg		101	18 - 166
Ethylbenzene	40.0	37.2		ug/Kg		93	79 - 119
2-Hexanone	40.0	28.6		ug/Kg		72	42 - 152
Isopropylbenzene	40.0	38.3		ug/Kg		96	70 - 125
Methyl acetate	80.0	106		ug/Kg		132	20 - 170
Methylcyclohexane	40.0	36.2		ug/Kg		90	70 - 125
Methylene Chloride	40.0	43.1		ug/Kg		108	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.1		ug/Kg		85	51 - 147
Methyl tert-butyl ether	40.0	37.5		ug/Kg		94	58 - 132
m-Xylene & p-Xylene	40.0	37.0		ug/Kg		93	77 - 120
o-Xylene	40.0	36.8		ug/Kg		92	78 - 118
Styrene	40.0	38.2		ug/Kg		95	80 - 120
1,1,2,2-Tetrachloroethane	40.0	39.8		ug/Kg		99	36 - 170
Tetrachloroethene	40.0	36.8		ug/Kg		92	71 - 121
Toluene	40.0	38.1		ug/Kg		95	76 - 120
trans-1,2-Dichloroethene	40.0	38.1		ug/Kg		95	75 - 122
trans-1,3-Dichloropropene	40.0	38.0		ug/Kg		95	68 - 133
1,2,3-Trichlorobenzene	40.0	37.8		ug/Kg		94	29 - 166
1,2,4-Trichlorobenzene	40.0	37.1		ug/Kg		93	22 - 170
1,1,1-Trichloroethane	40.0	38.7		ug/Kg		97	72 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-440981/3
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,2-Trichloroethane			40.0	38.6		ug/Kg		96	66 - 128		
Trichloroethene			40.0	36.1		ug/Kg		90	69 - 118		
Trichlorofluoromethane			40.0	46.8		ug/Kg		117	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	38.8		ug/Kg		97	59 - 135		
Vinyl chloride			40.0	42.1		ug/Kg		105	64 - 134		
Xylenes, Total			80.0	73.8		ug/Kg		92	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*60 - 124*
Dibromofluoromethane (Surr)	*110*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*
Toluene-d8 (Surr)	*114*		*67 - 134*

Lab Sample ID: LCSD 180-440981/4
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	35.1		ug/Kg		88	23 - 170	18	35
Benzene			40.0	40.5		ug/Kg		101	77 - 120	2	20
Bromoform			40.0	30.3		ug/Kg		76	37 - 147	9	23
Bromomethane			40.0	35.0		ug/Kg		88	47 - 149	0	25
2-Butanone (MEK)			40.0	31.5		ug/Kg		79	39 - 157	13	33
Carbon disulfide			40.0	39.2		ug/Kg		98	40 - 156	1	25
Carbon tetrachloride			40.0	37.5		ug/Kg		94	73 - 130	1	21
Chlorobenzene			40.0	37.0		ug/Kg		93	79 - 122	2	20
Chlorobromomethane			40.0	35.2		ug/Kg		88	64 - 128	3	20
Chlorodibromomethane			40.0	33.6		ug/Kg		84	60 - 134	6	40
Chloroethane			40.0	30.7		ug/Kg		77	37 - 159	22	25
Chloroform			40.0	40.0		ug/Kg		100	73 - 126	0	20
Chloromethane			40.0	45.8		ug/Kg		115	46 - 151	2	33
cis-1,2-Dichloroethene			40.0	38.7		ug/Kg		97	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	35.5		ug/Kg		89	73 - 127	2	20
Cyclohexane			40.0	38.1		ug/Kg		95	63 - 143	2	25
1,2-Dibromo-3-Chloropropane			40.0	32.4		ug/Kg		81	30 - 163	11	34
1,2-Dibromoethane			40.0	34.9		ug/Kg		87	59 - 137	7	20
1,2-Dichlorobenzene			40.0	37.5		ug/Kg		94	76 - 120	1	20
1,3-Dichlorobenzene			40.0	37.7		ug/Kg		94	77 - 121	3	20
1,4-Dichlorobenzene			40.0	37.2		ug/Kg		93	79 - 120	1	20
Dichlorobromomethane			40.0	38.5		ug/Kg		96	75 - 123	0	20
Dichlorodifluoromethane			40.0	37.4		ug/Kg		93	26 - 149	4	24
1,1-Dichloroethane			40.0	39.8		ug/Kg		100	73 - 124	1	20
1,2-Dichloroethane			40.0	37.6		ug/Kg		94	64 - 140	4	20
1,1-Dichloroethene			40.0	39.7		ug/Kg		99	55 - 136	0	21
1,2-Dichloroethene, Total			80.0	78.0		ug/Kg		98	77 - 119	3	20
1,2-Dichloropropane			40.0	39.0		ug/Kg		97	77 - 119	0	20
1,4-Dioxane			800	805	J	ug/Kg		101	18 - 166	0	40
Ethylbenzene			40.0	38.0		ug/Kg		95	79 - 119	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-440981/4
Matrix: Solid
Analysis Batch: 440981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			40.0	28.5		ug/Kg		71	42 - 152	1	30
Isopropylbenzene			40.0	39.4		ug/Kg		99	70 - 125	3	21
Methyl acetate			80.0	78.7		ug/Kg		98	20 - 170	29	33
Methylcyclohexane			40.0	36.6		ug/Kg		92	70 - 125	1	22
Methylene Chloride			40.0	42.2		ug/Kg		106	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)			40.0	31.3		ug/Kg		78	51 - 147	9	27
Methyl tert-butyl ether			40.0	35.2		ug/Kg		88	58 - 132	6	24
m-Xylene & p-Xylene			40.0	37.7		ug/Kg		94	77 - 120	2	20
o-Xylene			40.0	37.0		ug/Kg		93	78 - 118	1	20
Styrene			40.0	38.3		ug/Kg		96	80 - 120	0	20
1,1,2,2-Tetrachloroethane			40.0	35.9		ug/Kg		90	36 - 170	10	23
Tetrachloroethene			40.0	37.5		ug/Kg		94	71 - 121	2	21
Toluene			40.0	38.9		ug/Kg		97	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	39.3		ug/Kg		98	75 - 122	3	20
trans-1,3-Dichloropropene			40.0	36.5		ug/Kg		91	68 - 133	4	20
1,2,3-Trichlorobenzene			40.0	36.8		ug/Kg		92	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	36.4		ug/Kg		91	22 - 170	2	29
1,1,1-Trichloroethane			40.0	39.3		ug/Kg		98	72 - 134	2	20
1,1,2-Trichloroethane			40.0	36.4		ug/Kg		91	66 - 128	6	21
Trichloroethene			40.0	36.4		ug/Kg		91	69 - 118	1	20
Trichlorofluoromethane			40.0	46.7		ug/Kg		117	32 - 149	0	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.4		ug/Kg		91	59 - 135	6	28
Vinyl chloride			40.0	42.0		ug/Kg		105	64 - 134	0	23
Xylenes, Total			80.0	74.7		ug/Kg		93	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*111*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-440896/1-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Acenaphthylene	ND		67	15	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Acetophenone	ND		670	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Anthracene	ND		67	17	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Atrazine	ND		670	150	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Benzaldehyde	ND		670	41	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/20/23 07:37	07/20/23 14:34	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440896/1-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Caprolactam	ND		1700	220	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Carbazole	ND		67	16	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4-Chloroaniline	ND		330	88	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2-Chlorophenol	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Chrysene	ND		67	37	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Dibenzofuran	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Diethyl phthalate	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
1,4-Dioxane	ND		670	100	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Fluoranthene	ND		67	18	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Fluorene	ND		67	13	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Hexachloroethane	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Isophorone	ND		330	130	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2-Methylphenol	ND		330	96	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Naphthalene	ND		67	13	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Nitrobenzene	ND		670	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2-Nitrophenol	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/20/23 07:37	07/20/23 14:34	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-440896/1-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Phenanthrene	ND		67	18	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Phenol	ND		330	100	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
Pyrene	ND		67	16	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/20/23 07:37	07/20/23 14:34	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/20/23 07:37	07/20/23 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/20/23 07:37*	*07/20/23 14:34*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*07/20/23 07:37*	*07/20/23 14:34*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*07/20/23 07:37*	*07/20/23 14:34*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*07/20/23 07:37*	*07/20/23 14:34*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*07/20/23 07:37*	*07/20/23 14:34*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*07/20/23 07:37*	*07/20/23 14:34*	*1*

Lab Sample ID: LCS 180-440896/2-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4800		ug/Kg		72	50 - 100
Acenaphthylene	6670	5290		ug/Kg		79	52 - 100
Acetophenone	6670	5310		ug/Kg		80	48 - 100
Anthracene	6670	4950		ug/Kg		74	53 - 100
Atrazine	6670	4660		ug/Kg		70	49 - 103
Benzaldehyde	6670	5810		ug/Kg		87	23 - 105
Benzo[a]anthracene	6670	5400		ug/Kg		81	51 - 100
Benzo[a]pyrene	6670	4690		ug/Kg		70	51 - 100
Benzo[b]fluoranthene	6670	4600		ug/Kg		69	48 - 100
Benzo[g,h,i]perylene	6670	4440		ug/Kg		67	48 - 105
Benzo[k]fluoranthene	6670	4170		ug/Kg		63	19 - 100
1,1'-Biphenyl	6670	4860		ug/Kg		73	50 - 100
Bis(2-chloroethoxy)methane	6670	5360		ug/Kg		80	49 - 100
Bis(2-chloroethyl)ether	6670	5060		ug/Kg		76	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6040		ug/Kg		91	53 - 107
4-Bromophenyl phenyl ether	6670	5250		ug/Kg		79	52 - 101
Butyl benzyl phthalate	6670	5770		ug/Kg		87	52 - 107
Caprolactam	6670	5210		ug/Kg		78	48 - 111
Carbazole	6670	4600		ug/Kg		69	53 - 100
4-Chloroaniline	6670	5020		ug/Kg		75	47 - 100
4-Chloro-3-methylphenol	6670	5360		ug/Kg		80	49 - 106
2-Chloronaphthalene	6670	4740		ug/Kg		71	51 - 100
2-Chlorophenol	6670	4980		ug/Kg		75	51 - 100
4-Chlorophenyl phenyl ether	6670	5350		ug/Kg		80	52 - 100
Chrysene	6670	5070		ug/Kg		76	50 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440896/2-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	6670	4710		ug/Kg		71	50 - 107
Dibenzofuran	6670	4990		ug/Kg		75	52 - 100
3,3'-Dichlorobenzidine	6670	4870		ug/Kg		73	43 - 100
2,4-Dichlorophenol	6670	5120		ug/Kg		77	53 - 101
Diethyl phthalate	6670	5480		ug/Kg		82	48 - 104
2,4-Dimethylphenol	6670	4230		ug/Kg		63	51 - 101
Dimethyl phthalate	6670	5130		ug/Kg		77	53 - 100
Di-n-butyl phthalate	6670	5250		ug/Kg		79	57 - 102
4,6-Dinitro-2-methylphenol	13300	8930		ug/Kg		67	51 - 100
2,4-Dinitrophenol	13300	8420		ug/Kg		63	33 - 101
2,4-Dinitrotoluene	6670	5420		ug/Kg		81	54 - 104
2,6-Dinitrotoluene	6670	5260		ug/Kg		79	51 - 106
Di-n-octyl phthalate	6670	6170		ug/Kg		93	41 - 106
1,4-Dioxane	6670	5150		ug/Kg		77	25 - 125
Fluoranthene	6670	4870		ug/Kg		73	55 - 100
Fluorene	6670	5120		ug/Kg		77	52 - 100
Hexachlorobenzene	6670	4850		ug/Kg		73	49 - 100
Hexachlorobutadiene	6670	5490		ug/Kg		82	38 - 107
Hexachlorocyclopentadiene	6670	3680		ug/Kg		55	33 - 117
Hexachloroethane	6670	5170		ug/Kg		77	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4720		ug/Kg		71	51 - 103
Isophorone	6670	5870		ug/Kg		88	48 - 105
2-Methylnaphthalene	6670	5270		ug/Kg		79	53 - 100
2-Methylphenol	6670	5280		ug/Kg		79	50 - 101
Methylphenol, 3 & 4	6670	5270		ug/Kg		79	50 - 103
Naphthalene	6670	5060		ug/Kg		76	51 - 100
2-Nitroaniline	6670	6040		ug/Kg		91	42 - 123
3-Nitroaniline	6670	5230		ug/Kg		79	50 - 103
4-Nitroaniline	6670	5160		ug/Kg		77	52 - 103
Nitrobenzene	6670	5870		ug/Kg		88	44 - 108
2-Nitrophenol	6670	5510		ug/Kg		83	55 - 107
4-Nitrophenol	13300	12600		ug/Kg		94	30 - 134
N-Nitrosodi-n-propylamine	6670	5920		ug/Kg		89	45 - 107
N-Nitrosodiphenylamine	6670	4800		ug/Kg		72	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4790		ug/Kg		72	30 - 113
Pentachlorophenol	13300	10600		ug/Kg		79	42 - 110
Phenanthrene	6670	4720		ug/Kg		71	53 - 100
Phenol	6670	4920		ug/Kg		74	49 - 100
Pyrene	6670	5410		ug/Kg		81	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5210		ug/Kg		78	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5280		ug/Kg		79	47 - 104
2,4,5-Trichlorophenol	6670	5090		ug/Kg		76	50 - 104
2,4,6-Trichlorophenol	6670	5550		ug/Kg		83	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*44 - 105*
2-Fluorophenol (Surr)	*75*		*48 - 105*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-440896/2-A
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440896

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*74*		*46 - 105*
Terphenyl-d14 (Surr)	*72*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*

Lab Sample ID: 180-159476-7 MS
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		8030	5080		ug/Kg	☼	63	50 - 100
Acenaphthylene	ND		8030	5510		ug/Kg	☼	69	52 - 100
Acetophenone	ND		8030	5170		ug/Kg	☼	64	48 - 100
Anthracene	ND		8030	5410		ug/Kg	☼	67	53 - 100
Atrazine	ND	F1	8030	462	J F1	ug/Kg	☼	6	49 - 103
Benzaldehyde	ND	F1	8030	245	J F1	ug/Kg	☼	3	23 - 105
Benzo[a]anthracene	ND		8030	6040		ug/Kg	☼	75	51 - 100
Benzo[a]pyrene	ND		8030	5170		ug/Kg	☼	64	51 - 100
Benzo[b]fluoranthene	ND		8030	5100		ug/Kg	☼	64	48 - 100
Benzo[g,h,i]perylene	ND		8030	5890		ug/Kg	☼	73	48 - 105
Benzo[k]fluoranthene	ND		8030	4460		ug/Kg	☼	56	19 - 100
1,1'-Biphenyl	ND		8030	5140		ug/Kg	☼	64	50 - 100
Bis(2-chloroethoxy)methane	ND		8030	5530		ug/Kg	☼	69	49 - 100
Bis(2-chloroethyl)ether	ND		8030	5480		ug/Kg	☼	68	48 - 100
Bis(2-ethylhexyl) phthalate	ND		8030	7610		ug/Kg	☼	95	53 - 107
4-Bromophenyl phenyl ether	ND		8030	5890		ug/Kg	☼	73	52 - 101
Butyl benzyl phthalate	ND		8030	7180		ug/Kg	☼	90	52 - 107
Caprolactam	ND		8030	5850		ug/Kg	☼	73	48 - 111
Carbazole	ND		8030	5120		ug/Kg	☼	64	53 - 100
4-Chloroaniline	ND		8030	3750		ug/Kg	☼	47	47 - 100
4-Chloro-3-methylphenol	ND		8030	6600		ug/Kg	☼	82	49 - 106
2-Chloronaphthalene	ND		8030	5120		ug/Kg	☼	64	51 - 100
2-Chlorophenol	ND		8030	5720		ug/Kg	☼	71	51 - 100
4-Chlorophenyl phenyl ether	ND		8030	5970		ug/Kg	☼	74	52 - 100
Chrysene	ND		8030	5730		ug/Kg	☼	71	50 - 100
Dibenz(a,h)anthracene	ND		8030	5890		ug/Kg	☼	73	50 - 107
Dibenzofuran	ND		8030	5380		ug/Kg	☼	67	52 - 100
3,3'-Dichlorobenzidine	ND		8030	4930		ug/Kg	☼	61	43 - 100
2,4-Dichlorophenol	ND		8030	6020		ug/Kg	☼	75	53 - 101
Diethyl phthalate	ND		8030	5980		ug/Kg	☼	74	48 - 104
2,4-Dimethylphenol	ND		8030	5280		ug/Kg	☼	66	51 - 101
Dimethyl phthalate	ND		8030	5600		ug/Kg	☼	70	53 - 100
Di-n-butyl phthalate	ND		8030	5880		ug/Kg	☼	73	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	16100	6500	F1	ug/Kg	☼	41	51 - 100
2,4-Dinitrophenol	ND	F1	16100	4110	F1	ug/Kg	☼	26	33 - 101
2,4-Dinitrotoluene	ND		8030	5970		ug/Kg	☼	74	54 - 104
2,6-Dinitrotoluene	ND		8030	5680		ug/Kg	☼	71	51 - 106
Di-n-octyl phthalate	ND		8030	7130		ug/Kg	☼	89	41 - 106
1,4-Dioxane	ND		8030	4680		ug/Kg	☼	58	25 - 125

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159476-7 MS
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	ND		8030	5340		ug/Kg	☼	66	55 - 100
Fluorene	ND		8030	5500		ug/Kg	☼	68	52 - 100
Hexachlorobenzene	ND		8030	5370		ug/Kg	☼	67	49 - 100
Hexachlorobutadiene	ND		8030	6000		ug/Kg	☼	75	38 - 107
Hexachlorocyclopentadiene	ND	F1	8030	722	F1	ug/Kg	☼	9	33 - 117
Hexachloroethane	ND		8030	5060		ug/Kg	☼	63	47 - 100
Indeno[1,2,3-cd]pyrene	ND		8030	6060		ug/Kg	☼	76	51 - 103
Isophorone	ND		8030	4800		ug/Kg	☼	60	48 - 105
2-Methylnaphthalene	ND		8030	5740		ug/Kg	☼	71	53 - 100
2-Methylphenol	ND		8030	5820		ug/Kg	☼	73	50 - 101
Methylphenol, 3 & 4	ND		8030	6220		ug/Kg	☼	77	50 - 103
Naphthalene	ND		8030	5430		ug/Kg	☼	68	51 - 100
2-Nitroaniline	ND		8030	6530		ug/Kg	☼	81	42 - 123
3-Nitroaniline	ND		8030	5150		ug/Kg	☼	64	50 - 103
4-Nitroaniline	ND		8030	5370		ug/Kg	☼	67	52 - 103
Nitrobenzene	ND		8030	6340		ug/Kg	☼	79	44 - 108
2-Nitrophenol	ND		8030	5980		ug/Kg	☼	74	55 - 107
4-Nitrophenol	ND		16100	14000		ug/Kg	☼	87	30 - 134
N-Nitrosodi-n-propylamine	ND		8030	6710		ug/Kg	☼	84	45 - 107
N-Nitrosodiphenylamine	ND		8030	5430		ug/Kg	☼	68	52 - 100
2,2'-oxybis[1-chloropropane]	ND		8030	5190		ug/Kg	☼	65	30 - 113
Pentachlorophenol	ND		16100	9380		ug/Kg	☼	58	42 - 110
Phenanthrene	ND		8030	5200		ug/Kg	☼	65	53 - 100
Phenol	ND		8030	5600		ug/Kg	☼	70	49 - 100
Pyrene	ND		8030	6650		ug/Kg	☼	83	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		8030	5320		ug/Kg	☼	66	41 - 104
2,3,4,6-Tetrachlorophenol	ND		8030	5540		ug/Kg	☼	69	47 - 104
2,4,5-Trichlorophenol	ND		8030	5750		ug/Kg	☼	72	50 - 104
2,4,6-Trichlorophenol	ND		8030	5830		ug/Kg	☼	73	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*44 - 105*
2-Fluorophenol (Surr)	*68*		*48 - 105*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*
Phenol-d5 (Surr)	*72*		*46 - 105*
Terphenyl-d14 (Surr)	*72*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*

Lab Sample ID: 180-159476-7 MSD
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7970	5600		ug/Kg	☼	70	50 - 100	10	20
Acenaphthylene	ND		7970	6060		ug/Kg	☼	76	52 - 100	9	20
Acetophenone	ND		7970	5610		ug/Kg	☼	70	48 - 100	8	17
Anthracene	ND		7970	5800		ug/Kg	☼	73	53 - 100	7	20
Atrazine	ND	F1	7970	495	J F1	ug/Kg	☼	6	49 - 103	7	19

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159476-7 MSD
Matrix: Solid
Analysis Batch: 440941

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzaldehyde	ND	F1	7970	293	J F1	ug/Kg	☼	4	23 - 105	18	31
Benzo[a]anthracene	ND		7970	6430		ug/Kg	☼	81	51 - 100	6	21
Benzo[a]pyrene	ND		7970	5530		ug/Kg	☼	69	51 - 100	7	20
Benzo[b]fluoranthene	ND		7970	5410		ug/Kg	☼	68	48 - 100	6	20
Benzo[g,h,i]perylene	ND		7970	6280		ug/Kg	☼	79	48 - 105	6	19
Benzo[k]fluoranthene	ND		7970	4860		ug/Kg	☼	61	19 - 100	8	20
1,1'-Biphenyl	ND		7970	5670		ug/Kg	☼	71	50 - 100	10	19
Bis(2-chloroethoxy)methane	ND		7970	6150		ug/Kg	☼	77	49 - 100	11	20
Bis(2-chloroethyl)ether	ND		7970	5900		ug/Kg	☼	74	48 - 100	7	18
Bis(2-ethylhexyl) phthalate	ND		7970	8010		ug/Kg	☼	100	53 - 107	5	20
4-Bromophenyl phenyl ether	ND		7970	6140		ug/Kg	☼	77	52 - 101	4	20
Butyl benzyl phthalate	ND		7970	7540		ug/Kg	☼	95	52 - 107	5	19
Caprolactam	ND		7970	6550		ug/Kg	☼	82	48 - 111	11	23
Carbazole	ND		7970	5620		ug/Kg	☼	70	53 - 100	9	20
4-Chloroaniline	ND		7970	4020		ug/Kg	☼	50	47 - 100	7	20
4-Chloro-3-methylphenol	ND		7970	6810		ug/Kg	☼	85	49 - 106	3	20
2-Chloronaphthalene	ND		7970	5630		ug/Kg	☼	71	51 - 100	10	20
2-Chlorophenol	ND		7970	5960		ug/Kg	☼	75	51 - 100	4	17
4-Chlorophenyl phenyl ether	ND		7970	6500		ug/Kg	☼	82	52 - 100	8	19
Chrysene	ND		7970	6140		ug/Kg	☼	77	50 - 100	7	20
Dibenz(a,h)anthracene	ND		7970	6230		ug/Kg	☼	78	50 - 107	6	21
Dibenzofuran	ND		7970	5920		ug/Kg	☼	74	52 - 100	9	19
3,3'-Dichlorobenzidine	ND		7970	5270		ug/Kg	☼	66	43 - 100	7	19
2,4-Dichlorophenol	ND		7970	6370		ug/Kg	☼	80	53 - 101	6	22
Diethyl phthalate	ND		7970	6650		ug/Kg	☼	83	48 - 104	11	20
2,4-Dimethylphenol	ND		7970	5510		ug/Kg	☼	69	51 - 101	4	32
Dimethyl phthalate	ND		7970	6190		ug/Kg	☼	78	53 - 100	10	21
Di-n-butyl phthalate	ND		7970	6340		ug/Kg	☼	80	57 - 102	8	20
4,6-Dinitro-2-methylphenol	ND	F1	15900	5830	F1	ug/Kg	☼	37	51 - 100	11	22
2,4-Dinitrophenol	ND	F1	15900	3790	J F1	ug/Kg	☼	24	33 - 101	8	20
2,4-Dinitrotoluene	ND		7970	6710		ug/Kg	☼	84	54 - 104	12	20
2,6-Dinitrotoluene	ND		7970	6200		ug/Kg	☼	78	51 - 106	9	20
Di-n-octyl phthalate	ND		7970	7760		ug/Kg	☼	97	41 - 106	8	18
1,4-Dioxane	ND		7970	4850		ug/Kg	☼	61	25 - 125	4	17
Fluoranthene	ND		7970	5940		ug/Kg	☼	74	55 - 100	11	20
Fluorene	ND		7970	6160		ug/Kg	☼	77	52 - 100	11	19
Hexachlorobenzene	ND		7970	5850		ug/Kg	☼	73	49 - 100	9	20
Hexachlorobutadiene	ND		7970	6350		ug/Kg	☼	80	38 - 107	6	22
Hexachlorocyclopentadiene	ND	F1	7970	771	F1	ug/Kg	☼	10	33 - 117	7	19
Hexachloroethane	ND		7970	5640		ug/Kg	☼	71	47 - 100	11	17
Indeno[1,2,3-cd]pyrene	ND		7970	6240		ug/Kg	☼	78	51 - 103	3	19
Isophorone	ND		7970	5090		ug/Kg	☼	64	48 - 105	6	20
2-Methylnaphthalene	ND		7970	6090		ug/Kg	☼	76	53 - 100	6	21
2-Methylphenol	ND		7970	6390		ug/Kg	☼	80	50 - 101	9	17
Methylphenol, 3 & 4	ND		7970	6560		ug/Kg	☼	82	50 - 103	5	19
Naphthalene	ND		7970	5760		ug/Kg	☼	72	51 - 100	6	20
2-Nitroaniline	ND		7970	7390		ug/Kg	☼	93	42 - 123	12	19
3-Nitroaniline	ND		7970	5760		ug/Kg	☼	72	50 - 103	11	20
4-Nitroaniline	ND		7970	6070		ug/Kg	☼	76	52 - 103	12	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159476-7 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S61
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440941
Prep Batch: 440896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene	ND		7970	6610		ug/Kg	☼	83	44 - 108	4	21
2-Nitrophenol	ND		7970	6450		ug/Kg	☼	81	55 - 107	8	19
4-Nitrophenol	ND		15900	15000		ug/Kg	☼	94	30 - 134	7	18
N-Nitrosodi-n-propylamine	ND		7970	6940		ug/Kg	☼	87	45 - 107	3	18
N-Nitrosodiphenylamine	ND		7970	5710		ug/Kg	☼	72	52 - 100	5	20
2,2'-oxybis[1-chloropropane]	ND		7970	5600		ug/Kg	☼	70	30 - 113	8	17
Pentachlorophenol	ND		15900	10100		ug/Kg	☼	63	42 - 110	7	20
Phenanthrene	ND		7970	5660		ug/Kg	☼	71	53 - 100	9	20
Phenol	ND		7970	5890		ug/Kg	☼	74	49 - 100	5	16
Pyrene	ND		7970	6870		ug/Kg	☼	86	52 - 100	3	20
1,2,4,5-Tetrachlorobenzene	ND		7970	5920		ug/Kg	☼	74	41 - 104	11	21
2,3,4,6-Tetrachlorophenol	ND		7970	6230		ug/Kg	☼	78	47 - 104	12	18
2,4,5-Trichlorophenol	ND		7970	6280		ug/Kg	☼	79	50 - 104	9	21
2,4,6-Trichlorophenol	ND		7970	6470		ug/Kg	☼	81	50 - 105	10	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*74*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-440819/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 440860
Prep Batch: 440819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1221	ND		17	5.9	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1232	ND		17	4.1	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1242	ND		17	2.4	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1248	ND		17	4.0	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1254	ND		17	5.0	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1260	ND		17	4.7	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1262	ND		17	5.9	ug/Kg		07/20/23 00:30	07/20/23 14:35	1
PCB-1268	ND		17	2.2	ug/Kg		07/20/23 00:30	07/20/23 14:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/20/23 00:30*	*07/20/23 14:35*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*07/20/23 00:30*	*07/20/23 14:35*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*07/20/23 00:30*	*07/20/23 14:35*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/20/23 00:30*	*07/20/23 14:35*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-440819/2-C
Matrix: Solid
Analysis Batch: 440860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440819

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1160		ug/Kg		87	43 - 136		
PCB-1260			1330	1170		ug/Kg		88	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*

Lab Sample ID: 180-159476-7 MS
Matrix: Solid
Analysis Batch: 440860

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1590	1630		ug/Kg	☼	102	43 - 136		
PCB-1260	59		1590	1700		ug/Kg	☼	103	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*

Lab Sample ID: 180-159476-7 MSD
Matrix: Solid
Analysis Batch: 440860

Client Sample ID: SSHS-ISMP-NAF-UT-S61
Prep Type: Total/NA
Prep Batch: 440819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1610	1540		ug/Kg	☼	96	43 - 136	5	40
PCB-1260	59		1610	1600		ug/Kg	☼	96	55 - 128	6	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-440800/1-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.6	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Antimony	ND		0.93	0.28	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Arsenic	ND		0.93	0.58	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Barium	ND		19	3.3	mg/Kg		07/20/23 08:13	07/24/23 15:29	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-440800/1-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 440800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.37	0.10	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Cadmium	ND		0.46	0.068	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Calcium	ND		460	60	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Chromium	ND		0.46	0.42	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Cobalt	ND		4.6	0.65	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Copper	ND		2.3	1.4	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Iron	ND		9.3	9.0	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Lead	ND		0.93	0.81	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Magnesium	ND		460	51	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Manganese	ND		1.4	0.26	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Nickel	ND		3.7	0.47	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Potassium	ND		460	79	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Selenium	ND		0.93	0.43	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Silver	ND		0.46	0.096	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Sodium	ND		460	47	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Thallium	ND		1.9	0.26	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Vanadium	ND		4.6	0.73	mg/Kg		07/20/23 08:13	07/24/23 15:29	1
Zinc	ND		1.9	1.3	mg/Kg		07/20/23 08:13	07/24/23 15:29	1

Lab Sample ID: LCS 180-440800/2-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 440800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	484		mg/Kg		97	80 - 120
Antimony	25.0	24.7		mg/Kg		99	80 - 120
Arsenic	100	98.8		mg/Kg		99	80 - 120
Barium	100	97.0		mg/Kg		97	80 - 120
Beryllium	50.0	48.1		mg/Kg		96	80 - 120
Cadmium	50.0	46.2		mg/Kg		92	80 - 120
Calcium	2500	2340		mg/Kg		94	80 - 120
Chromium	50.0	49.0		mg/Kg		98	80 - 120
Cobalt	50.0	47.8		mg/Kg		96	80 - 120
Copper	50.0	49.8		mg/Kg		100	80 - 120
Iron	500	452		mg/Kg		90	80 - 120
Lead	50.0	49.2		mg/Kg		98	80 - 120
Magnesium	2500	2180		mg/Kg		87	80 - 120
Manganese	50.0	44.2		mg/Kg		88	80 - 120
Nickel	50.0	48.6		mg/Kg		97	80 - 120
Potassium	2500	2460		mg/Kg		99	80 - 120
Selenium	100	103		mg/Kg		103	80 - 120
Silver	25.0	23.9		mg/Kg		96	80 - 120
Sodium	2500	2670		mg/Kg		107	80 - 120
Thallium	100	95.0		mg/Kg		95	80 - 120
Vanadium	50.0	49.2		mg/Kg		98	80 - 120
Zinc	25.0	26.7		mg/Kg		107	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159476-7 MS
Client Sample ID: SSHS-ISMP-NAF-UT-S61
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441298
Prep Batch: 440800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	13000		508	16100	4	mg/Kg	☼	653	75 - 125
Antimony	ND	F2 F1	25.4	17.7	F1	mg/Kg	☼	70	75 - 125
Arsenic	3.8		102	103		mg/Kg	☼	98	75 - 125
Barium	130	F1	102	183	F1	mg/Kg	☼	54	75 - 125
Beryllium	0.52		50.8	47.6		mg/Kg	☼	93	75 - 125
Cadmium	0.56		50.8	46.7		mg/Kg	☼	91	75 - 125
Calcium	1200	F1	2540	3140		mg/Kg	☼	75	75 - 125
Chromium	12		50.8	64.6		mg/Kg	☼	103	75 - 125
Cobalt	7.9		50.8	59.8		mg/Kg	☼	102	75 - 125
Copper	10		50.8	64.0		mg/Kg	☼	106	75 - 125
Iron	15000		508	18500	4	mg/Kg	☼	650	75 - 125
Lead	10		50.8	61.8		mg/Kg	☼	102	75 - 125
Magnesium	1800		2540	4590		mg/Kg	☼	111	75 - 125
Manganese	650		50.8	437	4	mg/Kg	☼	-415	75 - 125
Nickel	16		50.8	68.9		mg/Kg	☼	104	75 - 125
Potassium	390	J	2540	3010		mg/Kg	☼	103	75 - 125
Selenium	ND		102	100		mg/Kg	☼	99	75 - 125
Silver	ND		25.4	24.2		mg/Kg	☼	95	75 - 125
Sodium	89	J	2540	2740		mg/Kg	☼	104	75 - 125
Thallium	0.53	J	102	96.0		mg/Kg	☼	94	75 - 125
Vanadium	18		50.8	73.1		mg/Kg	☼	109	75 - 125
Zinc	54	F1	25.4	93.8	F1	mg/Kg	☼	156	75 - 125

Lab Sample ID: 180-159476-7 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-S61
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441298
Prep Batch: 440800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	13000		484	14700	4	mg/Kg	☼	400	75 - 125	9	20
Antimony	ND	F2 F1	24.2	6.94	F2 F1	mg/Kg	☼	29	75 - 125	87	20
Arsenic	3.8		96.8	94.6		mg/Kg	☼	94	75 - 125	9	20
Barium	130	F1	96.8	175	F1	mg/Kg	☼	49	75 - 125	4	20
Beryllium	0.52		48.4	44.0		mg/Kg	☼	90	75 - 125	8	20
Cadmium	0.56		48.4	42.9		mg/Kg	☼	87	75 - 125	9	20
Calcium	1200	F1	2420	2960	F1	mg/Kg	☼	72	75 - 125	6	20
Chromium	12		48.4	59.2		mg/Kg	☼	97	75 - 125	9	20
Cobalt	7.9		48.4	53.4		mg/Kg	☼	94	75 - 125	11	20
Copper	10		48.4	58.9		mg/Kg	☼	100	75 - 125	8	20
Iron	15000		484	17100	4	mg/Kg	☼	392	75 - 125	8	20
Lead	10		48.4	55.5		mg/Kg	☼	94	75 - 125	11	20
Magnesium	1800		2420	4200		mg/Kg	☼	101	75 - 125	9	20
Manganese	650		48.4	378	4	mg/Kg	☼	-558	75 - 125	15	20
Nickel	16		48.4	63.6		mg/Kg	☼	99	75 - 125	8	20
Potassium	390	J	2420	2720		mg/Kg	☼	96	75 - 125	10	20
Selenium	ND		96.8	92.6		mg/Kg	☼	96	75 - 125	8	20
Silver	ND		24.2	22.1		mg/Kg	☼	91	75 - 125	9	20
Sodium	89	J	2420	2530		mg/Kg	☼	101	75 - 125	8	20
Thallium	0.53	J	96.8	87.9		mg/Kg	☼	90	75 - 125	9	20
Vanadium	18		48.4	65.8		mg/Kg	☼	99	75 - 125	11	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159476-7 MSD — **Client Sample ID: SSHS-ISMP-NAF-UT-S61**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441298 — **Prep Batch: 440800**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	54	F1	24.2	87.7	F1	mg/Kg	☼	139	75 - 125	7	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-440811/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440811**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0247	J	0.033	0.021	mg/Kg		07/20/23 09:50	07/21/23 09:24	1

Lab Sample ID: LCS 180-440811/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440811**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.431		mg/Kg		103	80 - 120

Lab Sample ID: 180-159476-7 MS — **Client Sample ID: SSHS-ISMP-NAF-UT-S61**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440811**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.031	J B	0.177	0.185		mg/Kg	☼	87	80 - 120

Lab Sample ID: 180-159476-7 MSD — **Client Sample ID: SSHS-ISMP-NAF-UT-S61**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441092 — **Prep Batch: 440811**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.031	J B	0.177	0.186		mg/Kg	☼	88	80 - 120	0	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159476-1 DU — **Client Sample ID: SSHS-ISMP-NAF-UT-S55**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 440820

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15.7		14.3		%		9	10
Percent Solids	84.3		85.7		%		2	10

Lab Sample ID: 180-159476-11 DU — **Client Sample ID: SSHS-ISMP-NAF-UT-S60**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 440820

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	17.7		18.2		%		3	10
Percent Solids	82.3		81.8		%		0.6	10

GC/MS VOA

Prep Batch: 440846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	5035	
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	5035	

Prep Batch: 440847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	5035	
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	5035	
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	5035	
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	5035	
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	5035	
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	5035	
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	5035	
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	5035	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	5035	
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	5035	
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	5035	
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	5035	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	5035	
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	5035	
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	5035	
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	5035	
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	5035	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	5035	
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	5035	
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	5035	

Analysis Batch: 440981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	EPA 8260C	440847
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	EPA 8260C	440847
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	EPA 8260C	440847
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	EPA 8260C	440847
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	EPA 8260C	440846
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	EPA 8260C	440847
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8260C	440847
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	EPA 8260C	440847
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	EPA 8260C	440847
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	EPA 8260C	440847
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	EPA 8260C	440847
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 8260C	440847
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	EPA 8260C	440846
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 8260C	440847
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	EPA 8260C	440847
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	EPA 8260C	440847
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	EPA 8260C	440847
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	EPA 8260C	440847
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	EPA 8260C	440847
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	EPA 8260C	440847
MB 180-440981/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-440981/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-440981/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

GC/MS VOA (Continued)

Analysis Batch: 440981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8260C	440847
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8260C	440847

GC/MS Semi VOA

Analysis Batch: 440865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	EPA 8270D	440896

Prep Batch: 440896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	3541	
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	3541	
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	3541	
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	3541	
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	3541	
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	3541	
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3541	
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	3541	
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	3541	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	3541	
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	3541	
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	3541	
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	3541	
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	3541	
180-159476-14 - DL	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	3541	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	3541	
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	3541	
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	3541	
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	3541	
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	3541	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	3541	
MB 180-440896/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-440896/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3541	
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3541	

Analysis Batch: 440905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	EPA 8270D	440896
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 8270D	440896
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	EPA 8270D	440896

Analysis Batch: 440941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	EPA 8270D	440896
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	EPA 8270D	440896
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	EPA 8270D	440896
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	EPA 8270D	440896
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	EPA 8270D	440896
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	EPA 8270D	440896

GC/MS Semi VOA (Continued)

Analysis Batch: 440941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8270D	440896
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	EPA 8270D	440896
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	EPA 8270D	440896
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	EPA 8270D	440896
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	EPA 8270D	440896
MB 180-440896/1-A	Method Blank	Total/NA	Solid	EPA 8270D	440896
LCS 180-440896/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	440896
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8270D	440896
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8270D	440896

Analysis Batch: 441026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-14 - DL	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 8270D	440896
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	EPA 8270D	440896
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	EPA 8270D	440896
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	EPA 8270D	440896
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	EPA 8270D	440896

Analysis Batch: 441158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 8270D	440896

GC Semi VOA

Prep Batch: 440819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	3541	
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	3541	
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	3541	
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	3541	
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	3541	
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	3541	
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3541	
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	3541	
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	3541	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	3541	
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	3541	
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	3541	
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	3541	
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	3541	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	3541	
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	3541	
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	3541	
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	3541	
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	3541	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	3541	
MB 180-440819/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-440819/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3541	
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3541	

GC Semi VOA

Analysis Batch: 440860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	EPA 8082A	440920
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	EPA 8082A	440920
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	EPA 8082A	440920
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	EPA 8082A	440920
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	EPA 8082A	440920
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	EPA 8082A	440920
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8082A	440920
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	EPA 8082A	440920
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	EPA 8082A	440920
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	EPA 8082A	440920
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	EPA 8082A	440920
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 8082A	440920
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	EPA 8082A	440920
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 8082A	440920
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	EPA 8082A	440920
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	EPA 8082A	440920
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	EPA 8082A	440920
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	EPA 8082A	440920
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	EPA 8082A	440920
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	EPA 8082A	440920
MB 180-440819/1-C	Method Blank	Total/NA	Solid	EPA 8082A	440920
LCS 180-440819/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	440920
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8082A	440920
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 8082A	440920

Cleanup Batch: 440919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	3665A	440819
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	3665A	440819
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	3665A	440819
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	3665A	440819
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	3665A	440819
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	3665A	440819
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3665A	440819
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	3665A	440819
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	3665A	440819
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	3665A	440819
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	3665A	440819
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	3665A	440819
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	3665A	440819
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	3665A	440819
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	3665A	440819
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	3665A	440819
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	3665A	440819
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	3665A	440819
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	3665A	440819
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	3665A	440819
MB 180-440819/1-C	Method Blank	Total/NA	Solid	3665A	440819
LCS 180-440819/2-C	Lab Control Sample	Total/NA	Solid	3665A	440819
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3665A	440819
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3665A	440819

GC Semi VOA

Cleanup Batch: 440920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	3660B	440919
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	3660B	440919
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	3660B	440919
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	3660B	440919
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	3660B	440919
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	3660B	440919
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3660B	440919
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	3660B	440919
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	3660B	440919
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	3660B	440919
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	3660B	440919
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	3660B	440919
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	3660B	440919
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	3660B	440919
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	3660B	440919
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	3660B	440919
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	3660B	440919
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	3660B	440919
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	3660B	440919
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	3660B	440919
MB 180-440819/1-C	Method Blank	Total/NA	Solid	3660B	440919
LCS 180-440819/2-C	Lab Control Sample	Total/NA	Solid	3660B	440919
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3660B	440919
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3660B	440919

Metals

Prep Batch: 440800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	3050B	
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	3050B	
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	3050B	
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	3050B	
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	3050B	
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	3050B	
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3050B	
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	3050B	
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	3050B	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	3050B	
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	3050B	
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	3050B	
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	3050B	
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	3050B	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	3050B	
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	3050B	
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	3050B	
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	3050B	
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	3050B	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	3050B	
MB 180-440800/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-440800/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 440800 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3050B	
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	3050B	

Prep Batch: 440811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	7471B	
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	7471B	
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	7471B	
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	7471B	
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	7471B	
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	7471B	
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	7471B	
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	7471B	
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	7471B	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	7471B	
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	7471B	
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	7471B	
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	7471B	
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	7471B	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	7471B	
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	7471B	
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	7471B	
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	7471B	
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	7471B	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	7471B	
MB 180-440811/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-440811/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	7471B	
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	7471B	

Analysis Batch: 441092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	EPA 7471B	440811
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	EPA 7471B	440811
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	EPA 7471B	440811
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	EPA 7471B	440811
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	EPA 7471B	440811
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	EPA 7471B	440811
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 7471B	440811
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	EPA 7471B	440811
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	EPA 7471B	440811
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	EPA 7471B	440811
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	EPA 7471B	440811
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 7471B	440811
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	EPA 7471B	440811
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 7471B	440811
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	EPA 7471B	440811
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	EPA 7471B	440811
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	EPA 7471B	440811
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	EPA 7471B	440811
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	EPA 7471B	440811

Metals (Continued)

Analysis Batch: 441092 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	EPA 7471B	440811
MB 180-440811/1-A	Method Blank	Total/NA	Solid	EPA 7471B	440811
LCS 180-440811/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	440811
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 7471B	440811
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 7471B	440811

Analysis Batch: 441298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	EPA 6010C	440800
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	EPA 6010C	440800
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	EPA 6010C	440800
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	EPA 6010C	440800
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	EPA 6010C	440800
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	EPA 6010C	440800
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 6010C	440800
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	EPA 6010C	440800
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	EPA 6010C	440800
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	EPA 6010C	440800
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	EPA 6010C	440800
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 6010C	440800
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	EPA 6010C	440800
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 6010C	440800
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	EPA 6010C	440800
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	EPA 6010C	440800
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	EPA 6010C	440800
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	EPA 6010C	440800
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	EPA 6010C	440800
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	EPA 6010C	440800
MB 180-440800/1-A	Method Blank	Total/NA	Solid	EPA 6010C	440800
LCS 180-440800/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	440800
180-159476-7 MS	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 6010C	440800
180-159476-7 MSD	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	EPA 6010C	440800

Analysis Batch: 441636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	EPA 6010C	440800
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 6010C	440800
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	EPA 6010C	440800
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	EPA 6010C	440800
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	EPA 6010C	440800
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	EPA 6010C	440800
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	EPA 6010C	440800
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	EPA 6010C	440800
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	EPA 6010C	440800
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	EPA 6010C	440800
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	EPA 6010C	440800

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159476-1
Project/Site: Former Sperry Remington-Documentation

General Chemistry

Analysis Batch: 440820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159476-1	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	2540G	
180-159476-2	SSHS-ISMP-NAF-UT-S56	Total/NA	Solid	2540G	
180-159476-3	SSHS-ISMP-NAF-UT-S57	Total/NA	Solid	2540G	
180-159476-4	SSHS-ISMP-NAF-DUP15A	Total/NA	Solid	2540G	
180-159476-5	SSHS-ISMP-NAF-UT-S58	Total/NA	Solid	2540G	
180-159476-6	SSHS-ISMP-NAF-UT-B17	Total/NA	Solid	2540G	
180-159476-7	SSHS-ISMP-NAF-UT-S61	Total/NA	Solid	2540G	
180-159476-8	SSHS-ISMP-NAF-UT-S62	Total/NA	Solid	2540G	
180-159476-9	SSHS-ISMP-NAF-UT-S63	Total/NA	Solid	2540G	
180-159476-10	SSHS-ISMP-NAF-UT-S59	Total/NA	Solid	2540G	
180-159476-11	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	2540G	
180-159476-12	SSHS-ISMP-NAF-UT-B18	Total/NA	Solid	2540G	
180-159476-13	SSHS-ISMP-NAF-UT-S64	Total/NA	Solid	2540G	
180-159476-14	SSHS-ISMP-NAF-UT-S65	Total/NA	Solid	2540G	
180-159476-15	SSHS-ISMP-NAF-UT-B19	Total/NA	Solid	2540G	
180-159476-16	SSHS-ISMP-NAF-UT-S66	Total/NA	Solid	2540G	
180-159476-17	SSHS-ISMP-NAF-UT-S67	Total/NA	Solid	2540G	
180-159476-18	SSHS-ISMP-NAF-UT-B20	Total/NA	Solid	2540G	
180-159476-19	SSHS-ISMP-NAF-UT-S68	Total/NA	Solid	2540G	
180-159476-20	SSHS-ISMP-NAF-UT-S69	Total/NA	Solid	2540G	
180-159476-1 DU	SSHS-ISMP-NAF-UT-S55	Total/NA	Solid	2540G	
180-159476-11 DU	SSHS-ISMP-NAF-UT-S60	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S55	7/18/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S56	7/18/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S57	7/18/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP15A	7/18/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S58	7/18/23	1255	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B17	7/18/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S61	7/18/23	1305	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-S62	7/18/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S63	7/18/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S59	7/18/23	1320	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S60	7/18/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B18	7/18/23	1330	G	S	N	N	X	X	X	X			6	

180-159476 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Miranda Aldrich	Date/Time: 7/18/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 0915	Company: CETAR
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.. | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-ISMP-NAF-UT-S64	7/18/23	1335	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S65	7/18/23	1340	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-B19	7/18/23	1345	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S66	7/18/23	1350	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S67	7/18/23	1355	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-B20	7/18/23	1400	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S68	7/18/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S69	7/18/23	1410	G	S	N	N	X	X	X	X	X	X								8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Miranda Stelmach	Date/Time: 7/18/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 0915	Company: ESTA Pitt
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company: ESTA Pitt
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

7/27/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	M STELMACH	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-159476 Chain of Custody

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-ISMP-NAF-UT-S55	7/18/23	1240	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S56	7/18/23	1245	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S57	7/18/23	1250	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-DUP15A	7/18/23	--	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S58	7/18/23	1255	G	S	N	N	X	X	X	X	X	X									8	
SSHS-ISMP-NAF-UT-B17	7/18/23	1300	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S61	7/18/23	1305	G	S	N	Y	X	X	X	X											16	
SSHS-ISMP-NAF-UT-S62	7/18/23	1310	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S63	7/18/23	1315	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S59	7/18/23	1320	G	S	N	N	X	X	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S60	7/18/23	1325	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-B18	7/18/23	1330	G	S	N	N	X	X	X	X											6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Miranda Hilman	Date/Time: 7/18/23/1800	Company: Geosyntec	Received by:	Date/Time: 7/19/23 940	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2-9

Ver: 01/16/2019

Page 133 of 136

7/27/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S64	7/18/23	1335	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S65	7/18/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B19	7/18/23	1345	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S66	7/18/23	1350	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S67	7/18/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B20	7/18/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S68	7/18/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S69	7/18/23	1410	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Miranda Stelmach	7/18/23/1800	Company: Geosyntec		7/19/23 940	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.9

Ver: 01/16/2019

eurofins | Environment Testing America

Sacramento Sample Receiving Notes

Job.___ 180-159476 Field Sheet ___

Tracking # 7727 3625 7269

SO / (FO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L10 Corr Factor (+ /) _____°C

Ice ✓ Wet_____ Gel _____ Other _____

Cooler Custody Seal ✓

Cooler ID _____

Temp Observed 2.9 °C Corrected 2.9 °C

From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials JF Date 7/19/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SO Date 7/19/23

Notes._____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SO Date 7/19/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159476-1

Login Number: 159476
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/28/2023 5:49:14 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159650-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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(412)963-2432

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Job ID: 180-159650-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159650-1

Receipt
The samples were received on 7/21/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.5º C, 3.1º C, 3.9º C and 4.7º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 for the following samples was above the control limits: SSHS-ISMP-NAF-UT-B24 (180-159650-2) and SSHS-ISMP-NAF-UT-B30 (180-159650-18). As the surrogates were high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-441120 was above criteria for the following analyte: Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to the nature of the sample matrix (the sample extracts were extremely viscous): SSHS-ISMP-NAF-UT-B30 (180-159650-18) and SSHS-ISMP-NAF-DUP19A (180-159650-19). The surrogates were diluted out and elevated reporting limits (RLs) are provided.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-B29 (180-159650-17) had several recoveries below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441174 was above criteria for the following analytes: Bis(2-chloroethoxy)methane and 4-Nitrophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441213 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441263 was above criteria for the following analytes: Di-n-octyl phthalate and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-441274 (CCVIS 180-441274/5) was above criteria for surrogate decachlorobiphenyl on column RTX-CLP1. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The internal standard PCB-205 was above criteria on column RTX-CLP1 for the following sample: SSHS-ISMP-NAF-UT-B30 (180-159650-18). Results were reported from column RTX-CLP2 which met criteria.

Method 8082A: Samples SSHS-ISMP-NAF-UT-B30 (180-159650-18) and SSHS-ISMP-NAF-DUP19A (180-159650-19) had the recoveries of surrogate decachlorobiphenyl above the control limits on both columns due to the nature of the sample matrix. The recoveries of tetrachloro-m-xylene were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-159650-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Metals

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-B29 (180-159650-17) had the recoveries and the RPD between the spikes for antimony outside of the control limits. The recovery of the laboratory control sample was within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159650-1	SSHS-ISMP-NAF-UT-S77	Solid	07/20/23 12:45	07/21/23 09:18
180-159650-2	SSHS-ISMP-NAF-UT-B24	Solid	07/20/23 12:50	07/21/23 09:18
180-159650-3	SSHS-ISMP-NAF-UT-S78	Solid	07/20/23 12:55	07/21/23 09:18
180-159650-4	SSHS-ISMP-NAF-UT-S79	Solid	07/20/23 13:00	07/21/23 09:18
180-159650-5	SSHS-ISMP-NAF-UT-S80	Solid	07/20/23 13:05	07/21/23 09:18
180-159650-6	SSHS-ISMP-NAF-UT-S81	Solid	07/20/23 13:10	07/21/23 09:18
180-159650-7	SSHS-ISMP-NAF-UT-S82	Solid	07/20/23 13:15	07/21/23 09:18
180-159650-8	SSHS-ISMP-NAF-UT-S83	Solid	07/20/23 13:20	07/21/23 09:18
180-159650-9	SSHS-ISMP-NAF-UT-B25	Solid	07/20/23 13:25	07/21/23 09:18
180-159650-10	SSHS-ISMP-NAF-UT-B26	Solid	07/20/23 13:30	07/21/23 09:18
180-159650-11	SSHS-ISMP-NAF-DUP18A	Solid	07/20/23 00:00	07/21/23 09:18
180-159650-12	SSHS-ISMP-NAF-UT-B27	Solid	07/20/23 13:35	07/21/23 09:18
180-159650-13	SSHS-ISMP-NAF-UT-S84	Solid	07/20/23 13:40	07/21/23 09:18
180-159650-14	SSHS-ISMP-NAF-UT-S85	Solid	07/20/23 13:45	07/21/23 09:18
180-159650-15	SSHS-ISMP-NAF-UT-S86	Solid	07/20/23 13:50	07/21/23 09:18
180-159650-16	SSHS-ISMP-NAF-UT-B28	Solid	07/20/23 13:55	07/21/23 09:18
180-159650-17	SSHS-ISMP-NAF-UT-B29	Solid	07/20/23 14:00	07/21/23 09:18
180-159650-18	SSHS-ISMP-NAF-UT-B30	Solid	07/20/23 14:05	07/21/23 09:18
180-159650-19	SSHS-ISMP-NAF-DUP19A	Solid	07/20/23 00:00	07/21/23 09:18
180-159650-20	SSHS-ISMP-NAF-UT-B31	Solid	07/20/23 14:10	07/21/23 09:18

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2236 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 00:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441174	07/24/23 15:35	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 09:57	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:12	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2
Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2
Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3026 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 00:22	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2
Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 06:55	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.5 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 10:16	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.67 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:13	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3
Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3
Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4462 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 00:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 07:17	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 10:35	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:47	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3
Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.53 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:14	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4
Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4
Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0321 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 01:07	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 07:39	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 10:52	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.71 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.71 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:15	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5
Date Collected: 07/20/23 13:05
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5
Date Collected: 07/20/23 13:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 01:30	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 08:01	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.5 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 11:10	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.53 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:16	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3379 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 01:52	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 08:23	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 11:29	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:25	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:17	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3046 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 02:15	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 08:45	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 11:48	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:17	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:30	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:18	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8
Date Collected: 07/20/23 13:20
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8
Date Collected: 07/20/23 13:20
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7958 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 03:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 09:07	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 12:07	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:22	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:35	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:19	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9
Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9
Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3365 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 03:45	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 09:28	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.2 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 12:25	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.51 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:27	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.51 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:23	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10
Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10
Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3049 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 04:08	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10
Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 09:51	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 12:44	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.71 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.71 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 20:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:24	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4462 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 04:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 10:12	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 13:03	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.58 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:37	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.58 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:25	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.9999 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 04:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 10:34	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 13:21	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.80 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.80 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:26	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S84
Lab Sample ID: 180-159650-13
Date Collected: 07/20/23 13:40
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S84
Lab Sample ID: 180-159650-13
Date Collected: 07/20/23 13:40
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 05:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 10:56	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 13:40	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.57 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:27	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14
Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14
Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3306 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 05:38	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14

Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 11:18	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 13:59	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.64 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.64 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:28	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15

Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15

Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4659 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 06:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 11:40	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 14:17	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.65 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 20:57	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.65 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:29	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16
Date Collected: 07/20/23 13:55
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16
Date Collected: 07/20/23 13:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6029 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 06:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 12:02	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 15:13	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 21:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.53 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:31	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5537 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/21/23 23:37	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441174	07/24/23 14:27	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 09:01	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.51 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 18:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.51 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 19:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:32	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18
Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18
Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3329 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 06:46	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18
Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		25	1 mL	1 mL	441263	07/25/23 12:24	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 15:32	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 19:34	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 11:15	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2973 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 07:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		25	1 mL	1 mL	441263	07/25/23 12:46	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 15:51	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.51 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:26	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.51 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 19:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:39	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20
Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441110	07/21/23 15:07	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20
Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1637 g	5 mL	441122	07/21/23 17:58	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441120	07/22/23 07:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441196	07/24/23 08:04	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441263	07/25/23 13:08	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441207	07/24/23 08:43	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441266	07/25/23 05:13	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441267	07/25/23 05:14	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/25/23 16:09	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.59 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441298	07/24/23 19:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.59 g	50 mL	441085	07/21/23 12:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 19:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	441093	07/21/23 12:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 09:40	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

MEG = Megan Gray
MTW = Michael Wesoloski
PJJ = Patrick Journet
SJM = Shannon Mueller
VJC = Vincent Cervone

Batch Type: Analysis

AAS = Ariana Swick
JMO = John Oravec
PJJ = Patrick Journet
RJR = Ron Rosenbaum
SNR = Sabra Richart
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Benzene	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Styrene	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*07/21/23 17:58*	*07/22/23 00:00*	*1*
Dibromofluoromethane (Surr)	*116*		*69 - 126*	*07/21/23 17:58*	*07/22/23 00:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*07/21/23 17:58*	*07/22/23 00:00*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*07/21/23 17:58*	*07/22/23 00:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Acenaphthylene	ND		76	17	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Acetophenone	ND		760	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Anthracene	ND		76	20	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Atrazine	ND		760	170	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Benzo[b]fluoranthene	**32**	**J**	76	19	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Carbazole	ND		76	18	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Chrysene	ND		76	42	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Fluoranthene	**25**	**J**	76	20	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Fluorene	ND		76	15	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Naphthalene	ND		76	15	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Phenanthrene	ND		76	20	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
Pyrene	**28**	**J**	76	18	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*07/24/23 08:04*	*07/24/23 15:35*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*07/24/23 08:04*	*07/24/23 15:35*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*	*07/24/23 08:04*	*07/24/23 15:35*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*07/24/23 08:04*	*07/24/23 15:35*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*07/24/23 08:04*	*07/24/23 15:35*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*07/24/23 08:04*	*07/24/23 15:35*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*07/24/23 08:43*	*07/25/23 09:57*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*07/24/23 08:43*	*07/25/23 09:57*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/24/23 08:43*	*07/25/23 09:57*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*07/24/23 08:43*	*07/25/23 09:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		20	5.0	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Arsenic	**5.9**		1.0	0.63	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Barium	**120**		20	3.6	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Beryllium	**0.51**		0.40	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Cadmium	**0.77**		0.50	0.074	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Calcium	**1700**		500	65	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Chromium	**15**		0.50	0.46	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Cobalt	**9.4**		5.0	0.71	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Copper	**17**		2.5	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Iron	**18000**		10	9.8	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Lead	**41**		1.0	0.88	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Magnesium	**2600**		500	55	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Manganese	**520**		1.5	0.28	mg/Kg	☼	07/21/23 12:55	07/27/23 20:00	1
Nickel	**23**		4.0	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Potassium	**860**		500	86	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Selenium	ND		1.0	0.46	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Sodium	**54**	**J**	500	52	mg/Kg	☼	07/21/23 12:55	07/27/23 20:00	1
Thallium	ND		2.0	0.29	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Vanadium	**15**		5.0	0.80	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1
Zinc	**63**		2.0	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 19:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.097**	**B**	0.036	0.023	mg/Kg	☼	07/21/23 12:25	07/26/23 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.0**		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	**87.0**		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2
Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Benzene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2
Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Chlorodibromomethane	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
cis-1,2-Dichloroethene	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2

Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*60 - 124*	*07/21/23 17:58*	*07/22/23 00:22*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*07/21/23 17:58*	*07/22/23 00:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*	*S1+*	*73 - 135*	*07/21/23 17:58*	*07/22/23 00:22*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*07/21/23 17:58*	*07/22/23 00:22*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**25**	**J**	73	21	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Acenaphthylene	**360**		73	16	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Acetophenone	ND		730	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Anthracene	**410**		73	19	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Atrazine	ND		730	160	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Benzo[a]anthracene	**1900**		73	33	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Benzo[a]pyrene	**1500**		73	32	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Benzo[b]fluoranthene	**2400**		73	18	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Benzo[g,h,i]perylene	**860**		73	16	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Benzo[k]fluoranthene	**1100**		73	22	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Carbazole	**160**		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Chrysene	**2100**		73	40	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Dibenz(a,h)anthracene	**280**		73	47	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2
Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Fluoranthene	**2500**		73	19	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Fluorene	**37**	**J**	73	14	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Indeno[1,2,3-cd]pyrene	**770**		73	36	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Isophorone	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2-Methylnaphthalene	**91**		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Naphthalene	**120**		73	14	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Phenanthrene	**430**		73	20	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Phenol	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
Pyrene	**2700**		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*07/24/23 08:04*	*07/25/23 06:55*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/24/23 08:04*	*07/25/23 06:55*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/24/23 08:04*	*07/25/23 06:55*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*07/24/23 08:04*	*07/25/23 06:55*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*07/24/23 08:04*	*07/25/23 06:55*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*07/24/23 08:04*	*07/25/23 06:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1221	ND		18	6.2	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1248	**45**		18	4.2	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1254	**32**		18	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1260	**15**	**J**	18	5.0	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 10:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-B24
Lab Sample ID: 180-159650-2

Date Collected: 07/20/23 12:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	134		63 - 138	07/24/23 08:43	07/25/23 10:16	1
DCB Decachlorobiphenyl (Surr)	138		63 - 138	07/24/23 08:43	07/25/23 10:16	1
Tetrachloro-m-xylene (Surr)	101		55 - 135	07/24/23 08:43	07/25/23 10:16	1
Tetrachloro-m-xylene (Surr)	101		55 - 135	07/24/23 08:43	07/25/23 10:16	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7600		16	4.1	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Antimony	1.9		0.82	0.25	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Arsenic	19		0.82	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Barium	98		16	2.9	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Beryllium	0.43		0.33	0.089	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Cadmium	1.4		0.41	0.060	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Calcium	5900		410	53	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Chromium	29		0.41	0.37	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Cobalt	7.6		4.1	0.57	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Copper	57		2.0	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Iron	31000		8.2	7.9	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Lead	140		0.82	0.71	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Magnesium	2300		410	45	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Manganese	390		1.2	0.23	mg/Kg	☼	07/21/23 12:55	07/27/23 20:05	1
Nickel	40		3.3	0.41	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Potassium	650		410	69	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Selenium	1.3		0.82	0.38	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Silver	ND		0.41	0.085	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Sodium	84	J	410	42	mg/Kg	☼	07/21/23 12:55	07/27/23 20:05	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Vanadium	23		4.1	0.64	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1
Zinc	100		1.6	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 19:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28	B	0.034	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.4		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	91.6		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3

Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3
Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/21/23 17:58	07/22/23 00:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3

Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/21/23 17:58*	*07/22/23 00:45*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*07/21/23 17:58*	*07/22/23 00:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/21/23 17:58*	*07/22/23 00:45*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/21/23 17:58*	*07/22/23 00:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Acenaphthylene	ND		78	17	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Acetophenone	ND		780	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Anthracene	ND		78	20	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Atrazine	ND		780	170	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Benzaldehyde	ND		780	48	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Carbazole	ND		78	18	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Chrysene	ND		78	43	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Fluoranthene	ND		78	21	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Fluorene	ND		78	15	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3
Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Isophorone	ND		390	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Naphthalene	ND		78	15	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Phenanthrene	ND		78	21	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Phenol	ND		390	120	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
Pyrene	ND		78	18	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/24/23 08:04*	*07/25/23 07:17*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*07/24/23 08:04*	*07/25/23 07:17*	*1*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*	*07/24/23 08:04*	*07/25/23 07:17*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*07/24/23 08:04*	*07/25/23 07:17*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*07/24/23 08:04*	*07/25/23 07:17*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/24/23 08:04*	*07/25/23 07:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*07/24/23 08:43*	*07/25/23 10:35*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*07/24/23 08:43*	*07/25/23 10:35*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/24/23 08:43*	*07/25/23 10:35*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S78
Lab Sample ID: 180-159650-3

Date Collected: 07/20/23 12:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*07/24/23 08:43*	*07/25/23 10:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		22	5.5	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Antimony	ND		1.1	0.33	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Arsenic	**6.4**		1.1	0.69	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Barium	**43**		22	3.9	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Beryllium	**0.53**		0.44	0.12	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Cadmium	**0.74**		0.55	0.081	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Calcium	**1100**		550	71	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Chromium	**14**		0.55	0.50	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Cobalt	**10**		5.5	0.78	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Copper	**15**		2.8	1.7	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Iron	**20000**		11	11	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Lead	**10**		1.1	0.96	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Magnesium	**2800**		550	61	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Manganese	**320**		1.7	0.31	mg/Kg	☼	07/21/23 12:55	07/27/23 20:10	1
Nickel	**20**		4.4	0.56	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Potassium	**600**		550	94	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Selenium	ND		1.1	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Silver	ND		0.55	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Sodium	ND		550	57	mg/Kg	☼	07/21/23 12:55	07/27/23 20:10	1
Thallium	**0.39**	**J**	2.2	0.31	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Vanadium	**19**		5.5	0.87	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1
Zinc	**57**		2.2	1.6	mg/Kg	☼	07/21/23 12:55	07/24/23 19:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**B**	0.037	0.024	mg/Kg	☼	07/21/23 12:25	07/26/23 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.5**		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	**85.5**		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4

Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Benzene	ND		5.7	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4
Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Chloromethane	ND		5.7	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Dichlorobromomethane	ND		5.7	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Isopropylbenzene	ND		5.7	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Styrene	ND		5.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Toluene	ND		5.7	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*07/21/23 17:58*	*07/22/23 01:07*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*07/21/23 17:58*	*07/22/23 01:07*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4
Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*73 - 135*	*07/21/23 17:58*	*07/22/23 01:07*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/21/23 17:58*	*07/22/23 01:07*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Acenaphthylene	**140**		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Acetophenone	ND		750	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Anthracene	**120**		75	19	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Atrazine	ND		750	160	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Benzo[a]anthracene	**380**		75	34	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Benzo[a]pyrene	**510**		75	32	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Benzo[b]fluoranthene	**590**		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Benzo[g,h,i]perylene	**570**		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Benzo[k]fluoranthene	**200**		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Carbazole	**21**	**J**	75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Chrysene	**430**		75	41	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Dibenz(a,h)anthracene	**120**		75	48	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Fluoranthene	**430**		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Fluorene	**29**	**J**	75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4

Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Indeno[1,2,3-cd]pyrene	**400**		75	37	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2-Methylnaphthalene	**45**	**J**	75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Naphthalene	**120**		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Phenanthrene	**270**		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
Pyrene	**750**		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*07/24/23 08:04*	*07/25/23 07:39*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*07/24/23 08:04*	*07/25/23 07:39*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*07/24/23 08:04*	*07/25/23 07:39*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/24/23 08:04*	*07/25/23 07:39*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*07/24/23 08:04*	*07/25/23 07:39*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*07/24/23 08:04*	*07/25/23 07:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1254	**17**	**J**	19	5.6	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*07/24/23 08:43*	*07/25/23 10:52*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*07/24/23 08:43*	*07/25/23 10:52*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*07/24/23 08:43*	*07/25/23 10:52*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*07/24/23 08:43*	*07/25/23 10:52*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S79
Lab Sample ID: 180-159650-4
Date Collected: 07/20/23 13:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.6

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		16	4.0	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Antimony	0.27	J	0.80	0.24	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Arsenic	5.8		0.80	0.50	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Barium	120		16	2.9	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Beryllium	0.44		0.32	0.088	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Cadmium	0.77		0.40	0.059	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Calcium	3800		400	52	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Chromium	13		0.40	0.37	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Cobalt	8.0		4.0	0.57	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Copper	30		2.0	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Iron	17000		8.0	7.8	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Lead	39		0.80	0.70	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Magnesium	2000		400	44	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Manganese	620		1.2	0.22	mg/Kg	☼	07/21/23 12:55	07/27/23 20:15	1
Nickel	22		3.2	0.40	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Potassium	620		400	68	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Selenium	ND		0.80	0.37	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Silver	ND		0.40	0.084	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Sodium	43	J	400	41	mg/Kg	☼	07/21/23 12:55	07/27/23 20:15	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Vanadium	18		4.0	0.64	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1
Zinc	78		1.6	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 19:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064	B	0.035	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.4		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	87.6		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5
Date Collected: 07/20/23 13:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5
Date Collected: 07/20/23 13:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*07/21/23 17:58*	*07/22/23 01:30*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*07/21/23 17:58*	*07/22/23 01:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*07/21/23 17:58*	*07/22/23 01:30*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/21/23 17:58*	*07/22/23 01:30*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5

Date Collected: 07/20/23 13:05
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 89.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Acenaphthylene	**72**	**J**	75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Acetophenone	ND		750	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Anthracene	**39**	**J**	75	19	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Atrazine	ND		750	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Benzo[a]anthracene	**83**		75	34	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Benzo[a]pyrene	**84**		75	32	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Benzo[b]fluoranthene	**88**		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Benzo[g,h,i]perylene	**290**		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Benzo[k]fluoranthene	**46**	**J**	75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Bis(2-chloroethyl)ether	ND		75	13	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Carbazole	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Chrysene	**80**		75	41	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Fluoranthene	**94**		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Fluorene	ND		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Indeno[1,2,3-cd]pyrene	**120**		75	37	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5

Date Collected: 07/20/23 13:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Naphthalene	**36**	**J**	75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Phenanthrene	**49**	**J**	75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
Pyrene	**130**		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/24/23 08:04*	*07/25/23 08:01*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*07/24/23 08:04*	*07/25/23 08:01*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*07/24/23 08:04*	*07/25/23 08:01*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*07/24/23 08:04*	*07/25/23 08:01*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*07/24/23 08:04*	*07/25/23 08:01*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*07/24/23 08:04*	*07/25/23 08:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1254	**16**	**J**	18	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*07/24/23 08:43*	*07/25/23 11:10*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*07/24/23 08:43*	*07/25/23 11:10*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/24/23 08:43*	*07/25/23 11:10*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/24/23 08:43*	*07/25/23 11:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		21	5.3	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Antimony	ND		1.1	0.32	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1

Client Sample ID: SSHS-ISMP-NAF-UT-S80
Lab Sample ID: 180-159650-5
Date Collected: 07/20/23 13:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.0		1.1	0.66	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Barium	63		21	3.7	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Beryllium	0.44		0.42	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Cadmium	0.76		0.53	0.077	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Calcium	1900		530	68	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Chromium	12		0.53	0.48	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Cobalt	7.2		5.3	0.74	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Copper	26		2.6	1.6	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Iron	19000		11	10	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Lead	14		1.1	0.92	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Magnesium	2400		530	58	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Manganese	390		1.6	0.29	mg/Kg	☼	07/21/23 12:55	07/27/23 20:20	1
Nickel	18		4.2	0.53	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Potassium	560		530	90	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Selenium	ND		1.1	0.49	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Silver	ND		0.53	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Sodium	ND		530	54	mg/Kg	☼	07/21/23 12:55	07/27/23 20:20	1
Thallium	ND		2.1	0.30	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Vanadium	18		5.3	0.83	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1
Zinc	68		2.1	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 19:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046	B	0.036	0.023	mg/Kg	☼	07/21/23 12:25	07/26/23 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.4		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	89.6		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/21/23 17:58	07/22/23 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*07/21/23 17:58*	*07/22/23 01:52*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*	*07/21/23 17:58*	*07/22/23 01:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*07/21/23 17:58*	*07/22/23 01:52*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/21/23 17:58*	*07/22/23 01:52*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		74	16	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Acetophenone	ND		740	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Anthracene	ND		74	19	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Atrazine	ND		740	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Carbazole	ND		74	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Chrysene	ND		74	41	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,4-Dichlorophenol	ND		74	29	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Fluoranthene	ND		74	20	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Fluorene	ND		74	15	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Hexachlorobenzene	ND		74	27	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		74	14	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Nitrobenzene	ND		740	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
Pyrene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*44 - 105*	*07/24/23 08:04*	*07/25/23 08:23*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*07/24/23 08:04*	*07/25/23 08:23*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*	*07/24/23 08:04*	*07/25/23 08:23*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*07/24/23 08:04*	*07/25/23 08:23*	*1*
Terphenyl-d14 (Surr)	*60*		*39 - 105*	*07/24/23 08:04*	*07/25/23 08:23*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*07/24/23 08:04*	*07/25/23 08:23*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*124*		*63 - 138*	*07/24/23 08:43*	*07/25/23 11:29*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*07/24/23 08:43*	*07/25/23 11:29*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/24/23 08:43*	*07/25/23 11:29*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/24/23 08:43*	*07/25/23 11:29*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9400**		20	5.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Antimony	ND		0.99	0.30	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Arsenic	**8.7**		0.99	0.62	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	50		20	3.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Beryllium	0.41		0.40	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Cadmium	0.72		0.50	0.073	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Calcium	910		500	64	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Chromium	12		0.50	0.45	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Cobalt	8.0		5.0	0.70	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Copper	27		2.5	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Iron	18000		9.9	9.7	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Lead	12		0.99	0.87	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Magnesium	2100		500	55	mg/Kg	☼	07/21/23 12:55	07/27/23 20:25	1
Manganese	350		1.5	0.28	mg/Kg	☼	07/21/23 12:55	07/27/23 20:25	1
Nickel	21		4.0	0.50	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Potassium	550		500	85	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Selenium	ND		0.99	0.46	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Sodium	ND		500	51	mg/Kg	☼	07/21/23 12:55	07/27/23 20:25	1
Thallium	ND		2.0	0.28	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Vanadium	17		5.0	0.79	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1
Zinc	59		2.0	1.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	J B	0.037	0.024	mg/Kg	☼	07/21/23 12:25	07/26/23 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.7		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	88.3		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 90.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/21/23 17:58	07/22/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/21/23 17:58*	*07/22/23 02:15*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/21/23 17:58*	*07/22/23 02:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*07/21/23 17:58*	*07/22/23 02:15*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*07/21/23 17:58*	*07/22/23 02:15*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Acenaphthylene	**46**	**J**	74	16	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 90.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		740	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Anthracene	**39**	**J**	74	19	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Atrazine	ND		740	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Benzo[a]anthracene	**82**		74	33	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Benzo[a]pyrene	**70**	**J**	74	32	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Benzo[b]fluoranthene	**83**		74	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Benzo[g,h,i]perylene	**120**		74	16	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Benzo[k]fluoranthene	**30**	**J**	74	22	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Carbazole	**17**	**J**	74	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Chrysene	**72**	**J**	74	41	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Dibenzofuran	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Fluoranthene	**150**		74	19	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Fluorene	ND		74	14	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Indeno[1,2,3-cd]pyrene	**75**		74	37	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Isophorone	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2-Methylphenol	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Naphthalene	ND		74	14	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7

Date Collected: 07/20/23 13:15
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 90.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Nitrobenzene	ND		740	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Phenanthrene	**110**		74	20	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Phenol	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
Pyrene	**140**		74	17	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*07/24/23 08:04*	*07/25/23 08:45*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*07/24/23 08:04*	*07/25/23 08:45*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*07/24/23 08:04*	*07/25/23 08:45*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*07/24/23 08:04*	*07/25/23 08:45*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/24/23 08:04*	*07/25/23 08:45*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/24/23 08:04*	*07/25/23 08:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1254	**11**	**J**	18	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/24/23 08:43*	*07/25/23 11:48*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*07/24/23 08:43*	*07/25/23 11:48*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/24/23 08:43*	*07/25/23 11:48*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*07/24/23 08:43*	*07/25/23 11:48*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		19	4.8	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Antimony	ND		0.97	0.29	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Arsenic	**7.0**		0.97	0.61	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Barium	**54**		19	3.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1

Client Sample ID: SSHS-ISMP-NAF-UT-S82
Lab Sample ID: 180-159650-7
Date Collected: 07/20/23 13:15
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 90.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.36	J	0.39	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Cadmium	0.72		0.48	0.071	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Calcium	2100		480	63	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Chromium	11		0.48	0.44	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Cobalt	7.5		4.8	0.68	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Copper	25		2.4	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Iron	17000		9.7	9.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Lead	13		0.97	0.84	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Magnesium	2700		480	53	mg/Kg	☼	07/21/23 12:55	07/27/23 20:30	1
Manganese	480		1.5	0.27	mg/Kg	☼	07/21/23 12:55	07/27/23 20:30	1
Nickel	20		3.9	0.49	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Potassium	590		480	82	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Selenium	ND		0.97	0.45	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Silver	ND		0.48	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Sodium	ND		480	50	mg/Kg	☼	07/21/23 12:55	07/27/23 20:30	1
Thallium	ND		1.9	0.28	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Vanadium	15		4.8	0.77	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1
Zinc	64		1.9	1.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J B	0.033	0.021	mg/Kg	☼	07/21/23 12:25	07/26/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.5		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	90.5		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8
Date Collected: 07/20/23 13:20
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Benzene	ND		4.7	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Bromomethane	ND		4.7	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Carbon disulfide	ND		4.7	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Carbon tetrachloride	ND		4.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Chlorobenzene	ND		4.7	1.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Chlorobromomethane	ND		4.7	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Chlorodibromomethane	ND		4.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Chloroethane	ND		4.7	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Chloroform	ND		4.7	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Chloromethane	ND		4.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
cis-1,2-Dichloroethene	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
cis-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Cyclohexane	ND		4.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8
Date Collected: 07/20/23 13:20
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.7	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2-Dichlorobenzene	ND		4.7	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,3-Dichlorobenzene	ND		4.7	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,4-Dichlorobenzene	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Dichlorobromomethane	ND		4.7	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Dichlorodifluoromethane	ND		4.7	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,1-Dichloroethane	ND		4.7	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2-Dichloroethane	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,1-Dichloroethene	ND		4.7	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2-Dichloropropane	ND		4.7	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,4-Dioxane	ND		950	72	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Ethylbenzene	ND		4.7	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Isopropylbenzene	ND		4.7	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Methylcyclohexane	ND		4.7	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Methylene Chloride	ND		4.7	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Methyl tert-butyl ether	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
m-Xylene & p-Xylene	ND		4.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
o-Xylene	ND		4.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Styrene	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,1,2,2-Tetrachloroethane	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Tetrachloroethene	ND		4.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Toluene	ND		4.7	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
trans-1,2-Dichloroethene	ND		4.7	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2,3-Trichlorobenzene	ND		9.5	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,2,4-Trichlorobenzene	ND		4.7	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,1,1-Trichloroethane	ND		4.7	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,1,2-Trichloroethane	ND		4.7	0.94	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Trichloroethene	ND		4.7	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Trichlorofluoromethane	ND		4.7	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Vinyl chloride	ND		4.7	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1
Xylenes, Total	ND		9.5	6.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*07/21/23 17:58*	*07/22/23 03:22*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*07/21/23 17:58*	*07/22/23 03:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*07/21/23 17:58*	*07/22/23 03:22*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*07/21/23 17:58*	*07/22/23 03:22*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Acenaphthylene	**17**	**J**	73	16	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Acetophenone	ND		730	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8
Date Collected: 07/20/23 13:20
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		73	19	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Atrazine	ND		730	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Benzaldehyde	ND		730	45	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Benzo[a]anthracene	ND		73	33	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Benzo[a]pyrene	ND		73	31	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Benzo[b]fluoranthene	**25**	**J**	73	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Benzo[g,h,i]perylene	**47**	**J**	73	16	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Benzo[k]fluoranthene	ND		73	22	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Carbazole	ND		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Chrysene	ND		73	40	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Dibenzofuran	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Fluoranthene	**36**	**J**	73	19	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Fluorene	ND		73	14	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Hexachloroethane	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Isophorone	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2-Methylphenol	ND		360	100	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Naphthalene	ND		73	14	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8

Date Collected: 07/20/23 13:20
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 91.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	92	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Nitrobenzene	ND		730	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Pentachlorophenol	ND		1900	580	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Phenanthrene	**24**	**J**	73	20	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Phenol	ND		360	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
Pyrene	**44**	**J**	73	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*07/24/23 08:04*	*07/25/23 09:07*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*07/24/23 08:04*	*07/25/23 09:07*	*1*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*	*07/24/23 08:04*	*07/25/23 09:07*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*07/24/23 08:04*	*07/25/23 09:07*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/24/23 08:04*	*07/25/23 09:07*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*07/24/23 08:04*	*07/25/23 09:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*07/24/23 08:43*	*07/25/23 12:07*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*07/24/23 08:43*	*07/25/23 12:07*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*07/24/23 08:43*	*07/25/23 12:07*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*07/24/23 08:43*	*07/25/23 12:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		20	5.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Antimony	ND		1.0	0.30	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Arsenic	**7.6**		1.0	0.63	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Barium	**58**		20	3.6	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Beryllium	**0.41**		0.40	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1

Client Sample ID: SSHS-ISMP-NAF-UT-S83
Lab Sample ID: 180-159650-8

Date Collected: 07/20/23 13:20
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 91.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.72		0.50	0.073	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Calcium	2400		500	64	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Chromium	11		0.50	0.45	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Cobalt	8.0		5.0	0.70	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Copper	23		2.5	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Iron	17000		10	9.7	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Lead	13		1.0	0.87	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Magnesium	2700		500	55	mg/Kg	☼	07/21/23 12:55	07/27/23 20:35	1
Manganese	670		1.5	0.28	mg/Kg	☼	07/21/23 12:55	07/27/23 20:35	1
Nickel	20		4.0	0.50	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Potassium	690		500	85	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Selenium	ND		1.0	0.46	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Silver	ND		0.50	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Sodium	ND		500	51	mg/Kg	☼	07/21/23 12:55	07/27/23 20:35	1
Thallium	ND		2.0	0.28	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Vanadium	15		5.0	0.79	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1
Zinc	66		2.0	1.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:22	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034	B	0.034	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.8		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	91.2		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9

Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9

Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/21/23 17:58	07/22/23 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*07/21/23 17:58*	*07/22/23 03:45*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*07/21/23 17:58*	*07/22/23 03:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*73 - 135*	*07/21/23 17:58*	*07/22/23 03:45*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*07/21/23 17:58*	*07/22/23 03:45*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Acetophenone	ND		750	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Anthracene	ND		75	19	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9
Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		750	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Carbazole	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Chrysene	ND		75	41	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Fluorene	ND		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Naphthalene	ND		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9

Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
Pyrene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/24/23 08:04*	*07/25/23 09:28*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*07/24/23 08:04*	*07/25/23 09:28*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*07/24/23 08:04*	*07/25/23 09:28*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*07/24/23 08:04*	*07/25/23 09:28*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/24/23 08:04*	*07/25/23 09:28*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*34 - 108*	*07/24/23 08:04*	*07/25/23 09:28*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*07/24/23 08:43*	*07/25/23 12:25*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*07/24/23 08:43*	*07/25/23 12:25*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*07/24/23 08:43*	*07/25/23 12:25*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/24/23 08:43*	*07/25/23 12:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		22	5.6	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Antimony	ND		1.1	0.34	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Arsenic	**6.0**		1.1	0.70	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Barium	**31**		22	4.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Beryllium	**0.40**	**J**	0.45	0.12	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Cadmium	**0.60**		0.56	0.082	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1

Client Sample ID: SSHS-ISMP-NAF-UT-B25
Lab Sample ID: 180-159650-9

Date Collected: 07/20/23 13:25
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	880		560	73	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Chromium	11		0.56	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Cobalt	8.3		5.6	0.79	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Copper	12		2.8	1.7	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Iron	16000		11	11	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Lead	8.4		1.1	0.98	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Magnesium	2400		560	62	mg/Kg	☼	07/21/23 12:55	07/27/23 20:40	1
Manganese	280		1.7	0.31	mg/Kg	☼	07/21/23 12:55	07/27/23 20:40	1
Nickel	16		4.5	0.57	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Potassium	590		560	96	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Selenium	ND		1.1	0.52	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Silver	ND		0.56	0.12	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Sodium	ND		560	58	mg/Kg	☼	07/21/23 12:55	07/27/23 20:40	1
Thallium	ND		2.2	0.32	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Vanadium	16		5.6	0.89	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1
Zinc	42		2.2	1.6	mg/Kg	☼	07/21/23 12:55	07/24/23 20:27	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031	J B	0.035	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.7		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	87.3		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10

Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10
Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/21/23 17:58*	*07/22/23 04:08*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/21/23 17:58*	*07/22/23 04:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*07/21/23 17:58*	*07/22/23 04:08*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/21/23 17:58*	*07/22/23 04:08*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**21**	**J**	75	21	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Acenaphthylene	**300**		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Acetophenone	ND		750	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Anthracene	**290**		75	19	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Atrazine	ND		750	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10
Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		750	46	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Benzo[a]anthracene	**790**		75	34	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Benzo[a]pyrene	**850**		75	32	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Benzo[b]fluoranthene	**1000**		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Benzo[g,h,i]perylene	**960**		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Benzo[k]fluoranthene	**320**		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Carbazole	**47**	**J**	75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Chrysene	**800**		75	41	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Dibenz(a,h)anthracene	**210**		75	48	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Fluoranthene	**970**		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Fluorene	**45**	**J**	75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Indeno[1,2,3-cd]pyrene	**710**		75	37	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2-Methylnaphthalene	**71**	**J**	75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Naphthalene	**160**		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10

Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		750	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Phenanthrene	**380**		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
Pyrene	**1300**		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/24/23 08:04*	*07/25/23 09:51*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/24/23 08:04*	*07/25/23 09:51*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*07/24/23 08:04*	*07/25/23 09:51*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*07/24/23 08:04*	*07/25/23 09:51*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/24/23 08:04*	*07/25/23 09:51*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*07/24/23 08:04*	*07/25/23 09:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1254	**28**		19	5.7	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*07/24/23 08:43*	*07/25/23 12:44*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*07/24/23 08:43*	*07/25/23 12:44*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*07/24/23 08:43*	*07/25/23 12:44*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*07/24/23 08:43*	*07/25/23 12:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		16	4.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Antimony	**0.52**	**J**	0.81	0.24	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Arsenic	**7.0**		0.81	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Barium	**120**		16	2.9	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Beryllium	**0.44**		0.32	0.088	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Cadmium	**0.94**		0.40	0.059	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Calcium	**7700**		400	52	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1

Client Sample ID: SSHS-ISMP-NAF-UT-B26
Lab Sample ID: 180-159650-10

Date Collected: 07/20/23 13:30
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14		0.40	0.37	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Cobalt	7.7		4.0	0.57	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Copper	62		2.0	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Iron	17000		8.1	7.9	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Lead	140		0.81	0.70	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Magnesium	2700		400	44	mg/Kg	☼	07/21/23 12:55	07/27/23 20:45	1
Manganese	400		1.2	0.22	mg/Kg	☼	07/21/23 12:55	07/27/23 20:45	1
Nickel	28		3.2	0.41	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Potassium	660		400	69	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Selenium	ND		0.81	0.37	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Silver	ND		0.40	0.084	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Sodium	80	J	400	41	mg/Kg	☼	07/21/23 12:55	07/27/23 20:45	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Vanadium	17		4.0	0.64	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1
Zinc	120		1.6	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33	B	0.035	0.023	mg/Kg	☼	07/21/23 12:25	07/26/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.7		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	87.3		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11

Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Chloroethane	ND		5.2	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,4-Dioxane	ND		1000	80	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
trans-1,3-Dichloropropene	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,1,1-Trichloroethane	ND		5.2	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Trichlorofluoromethane	ND		5.2	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1
Xylenes, Total	ND		10	7.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*07/21/23 17:58*	*07/22/23 04:31*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/21/23 17:58*	*07/22/23 04:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*07/21/23 17:58*	*07/22/23 04:31*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*07/21/23 17:58*	*07/22/23 04:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**25**	**J**	76	22	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Acenaphthylene	**390**		76	17	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Acetophenone	ND		760	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Anthracene	**400**		76	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Atrazine	ND		760	170	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**1300**		76	34	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Benzo[a]pyrene	**1400**		76	33	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Benzo[b]fluoranthene	**1500**		76	19	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Benzo[g,h,i]perylene	**1500**		76	16	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Benzo[k]fluoranthene	**650**		76	23	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Carbazole	**51**	**J**	76	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Chrysene	**1200**		76	42	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Dibenz(a,h)anthracene	**330**		76	48	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Fluoranthene	**1600**		76	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Fluorene	**58**	**J**	76	15	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Indeno[1,2,3-cd]pyrene	**1200**		76	38	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2-Methylnaphthalene	**85**		76	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Naphthalene	**250**		76	15	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11

Date Collected: 07/20/23 00:00
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Phenanthrene	**690**		76	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
Pyrene	**2000**		76	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*07/24/23 08:04*	*07/25/23 10:12*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/24/23 08:04*	*07/25/23 10:12*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*07/24/23 08:04*	*07/25/23 10:12*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*07/24/23 08:04*	*07/25/23 10:12*	*1*
Terphenyl-d14 (Surr)	*60*		*39 - 105*	*07/24/23 08:04*	*07/25/23 10:12*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*07/24/23 08:04*	*07/25/23 10:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1254	**30**		19	5.7	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1260	**19**		19	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:03*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:03*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:03*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:03*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		20	4.9	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Antimony	**0.54**	**J**	0.98	0.30	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Arsenic	**9.6**		0.98	0.62	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Barium	**120**		20	3.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Beryllium	**0.53**		0.39	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Cadmium	**1.3**		0.49	0.072	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Calcium	**11000**		490	64	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Chromium	**18**		0.49	0.45	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1

Client Sample ID: SSHS-ISMP-NAF-DUP18A
Lab Sample ID: 180-159650-11

Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	8.6		4.9	0.69	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Copper	79		2.5	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Iron	22000		9.8	9.6	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Lead	160		0.98	0.86	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Magnesium	3600		490	54	mg/Kg	☼	07/21/23 12:55	07/27/23 21:00	1
Manganese	560		1.5	0.27	mg/Kg	☼	07/21/23 12:55	07/27/23 21:00	1
Nickel	33		3.9	0.50	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Potassium	770		490	84	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Selenium	0.47	J	0.98	0.45	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Silver	ND		0.49	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Sodium	86	J	490	50	mg/Kg	☼	07/21/23 12:55	07/27/23 21:00	1
Thallium	ND		2.0	0.28	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Vanadium	21		4.9	0.78	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1
Zinc	140		2.0	1.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.56	B	0.037	0.024	mg/Kg	☼	07/21/23 12:25	07/26/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.5		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	87.5		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12

Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Methyl tert-butyl ether	ND		5.6	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/21/23 17:58	07/22/23 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/21/23 17:58*	*07/22/23 04:53*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*07/21/23 17:58*	*07/22/23 04:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*07/21/23 17:58*	*07/22/23 04:53*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/21/23 17:58*	*07/22/23 04:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Acetophenone	ND		750	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Anthracene	ND		75	19	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Atrazine	ND		750	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Carbazole	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Chrysene	ND		75	41	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Fluorene	ND		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Naphthalene	ND		75	15	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
Pyrene	ND		75	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*07/24/23 08:04*	*07/25/23 10:34*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*07/24/23 08:04*	*07/25/23 10:34*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*07/24/23 08:04*	*07/25/23 10:34*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*07/24/23 08:04*	*07/25/23 10:34*	*1*
Terphenyl-d14 (Surr)	*64*		*39 - 105*	*07/24/23 08:04*	*07/25/23 10:34*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*07/24/23 08:04*	*07/25/23 10:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1262	ND		19	6.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:21*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:21*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:21*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7200**		14	3.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Antimony	ND		0.70	0.21	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Arsenic	**6.8**		0.70	0.44	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Barium	**32**		14	2.5	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Beryllium	**0.32**		0.28	0.077	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Cadmium	**0.61**		0.35	0.052	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Calcium	**640**		350	45	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Chromium	**9.5**		0.35	0.32	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Cobalt	**7.0**		3.5	0.49	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1

Client Sample ID: SSHS-ISMP-NAF-UT-B27

Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	22		1.8	1.1	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Iron	15000		7.0	6.8	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Lead	11		0.70	0.61	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Magnesium	1900		350	39	mg/Kg	☼	07/21/23 12:55	07/27/23 21:05	1
Manganese	270		1.1	0.20	mg/Kg	☼	07/21/23 12:55	07/27/23 21:05	1
Nickel	17		2.8	0.35	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Potassium	450		350	60	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Selenium	ND		0.70	0.32	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Silver	ND		0.35	0.073	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Sodium	41	J	350	36	mg/Kg	☼	07/21/23 12:55	07/27/23 21:05	1
Thallium	ND		1.4	0.20	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Vanadium	15		3.5	0.56	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1
Zinc	51		1.4	1.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J B	0.036	0.023	mg/Kg	☼	07/21/23 12:25	07/26/23 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.1		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	88.9		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S84

Lab Sample ID: 180-159650-13
Date Collected: 07/20/23 13:40
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Benzene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Carbon disulfide	ND		4.8	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,4-Dichlorobenzene	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1

Client Sample ID: SSHS-ISMP-NAF-UT-S84
Lab Sample ID: 180-159650-13
Date Collected: 07/20/23 13:40
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.8	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2-Dichloroethene, Total	ND		9.7	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,4-Dioxane	ND		970	73	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Methylene Chloride	ND		4.8	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Styrene	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Toluene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,2,4-Trichlorobenzene	ND		4.8	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,1,2-Trichloroethane	ND		4.8	0.96	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*07/21/23 17:58*	*07/22/23 05:16*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/21/23 17:58*	*07/22/23 05:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*07/21/23 17:58*	*07/22/23 05:16*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/21/23 17:58*	*07/22/23 05:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Acenaphthylene	ND		70	15	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Acetophenone	ND		700	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Anthracene	ND		70	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Atrazine	ND		700	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S84
Lab Sample ID: 180-159650-13
Date Collected: 07/20/23 13:40
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Carbazole	ND		70	16	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Chrysene	ND		70	39	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Fluoranthene	ND		70	18	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Fluorene	ND		70	14	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Isophorone	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Naphthalene	ND		70	14	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1

Client Sample ID: SSHS-ISMP-NAF-UT-S84
Lab Sample ID: 180-159650-13

Date Collected: 07/20/23 13:40
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 94.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Phenanthrene	ND		70	19	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Phenol	ND		340	110	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
Pyrene	ND		70	16	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*07/24/23 08:04*	*07/25/23 10:56*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/24/23 08:04*	*07/25/23 10:56*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*07/24/23 08:04*	*07/25/23 10:56*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/24/23 08:04*	*07/25/23 10:56*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*07/24/23 08:04*	*07/25/23 10:56*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*07/24/23 08:04*	*07/25/23 10:56*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1221	ND		17	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1232	ND		17	4.2	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1242	ND		17	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1248	ND		17	4.1	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1254	ND		17	5.2	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1260	ND		17	4.9	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1262	ND		17	6.1	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1
PCB-1268	ND		17	2.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:40*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:40*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:40*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:40*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		19	4.6	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Antimony	ND		0.93	0.28	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Arsenic	**7.2**		0.93	0.58	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Barium	**33**		19	3.3	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Beryllium	**0.32**	**J**	0.37	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Cadmium	**0.70**		0.46	0.068	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Calcium	**1100**		460	60	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Chromium	**9.6**		0.46	0.42	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Cobalt	**7.6**		4.6	0.65	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Copper	**24**		2.3	1.4	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1

Client Sample ID: SSHS-ISMP-NAF-UT-S84
Lab Sample ID: 180-159650-13

Date Collected: 07/20/23 13:40
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**16000**		9.3	9.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Lead	**8.1**		0.93	0.81	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Magnesium	**2400**		460	51	mg/Kg	☼	07/21/23 12:55	07/27/23 21:10	1
Manganese	**380**		1.4	0.26	mg/Kg	☼	07/21/23 12:55	07/27/23 21:10	1
Nickel	**21**		3.7	0.47	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Potassium	**400**	**J**	460	79	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Selenium	ND		0.93	0.43	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Silver	ND		0.46	0.096	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Sodium	ND		460	47	mg/Kg	☼	07/21/23 12:55	07/27/23 21:10	1
Thallium	ND		1.9	0.26	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Vanadium	**12**		4.6	0.73	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1
Zinc	**60**		1.9	1.3	mg/Kg	☼	07/21/23 12:55	07/24/23 20:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.034	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.3**		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	**94.7**		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14

Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Benzene	ND		5.0	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14
Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Styrene	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Toluene	ND		5.0	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/21/23 17:58	07/22/23 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/21/23 17:58*	*07/22/23 05:38*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/21/23 17:58*	*07/22/23 05:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*07/21/23 17:58*	*07/22/23 05:38*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*07/21/23 17:58*	*07/22/23 05:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Acenaphthylene	ND		71	15	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Acetophenone	ND		710	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Anthracene	ND		71	18	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Atrazine	ND		710	150	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14
Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Carbazole	ND		71	16	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Chrysene	ND		71	39	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Fluoranthene	ND		71	19	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Fluorene	ND		71	14	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Isophorone	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Naphthalene	ND		71	14	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14
Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Phenanthrene	ND		71	19	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Phenol	ND		350	110	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
Pyrene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/24/23 08:04*	*07/25/23 11:18*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*07/24/23 08:04*	*07/25/23 11:18*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*07/24/23 08:04*	*07/25/23 11:18*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*07/24/23 08:04*	*07/25/23 11:18*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*07/24/23 08:04*	*07/25/23 11:18*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*	*07/24/23 08:04*	*07/25/23 11:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1254	ND		18	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:59*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*07/24/23 08:43*	*07/25/23 13:59*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:59*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*07/24/23 08:43*	*07/25/23 13:59*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		17	4.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Antimony	ND		0.84	0.25	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Arsenic	**7.3**		0.84	0.53	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Barium	**42**		17	3.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Beryllium	**0.32**	**J**	0.34	0.091	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Cadmium	**0.67**		0.42	0.062	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Calcium	**1400**		420	54	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Chromium	**9.7**		0.42	0.38	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Cobalt	**6.9**		4.2	0.59	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Copper	**22**		2.1	1.3	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Iron	**16000**		8.4	8.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1

Client Sample ID: SSHS-ISMP-NAF-UT-S85
Lab Sample ID: 180-159650-14

Date Collected: 07/20/23 13:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 93.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.4		0.84	0.73	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Magnesium	2200		420	46	mg/Kg	☼	07/21/23 12:55	07/27/23 21:16	1
Manganese	320		1.3	0.23	mg/Kg	☼	07/21/23 12:55	07/27/23 21:16	1
Nickel	19		3.4	0.42	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Potassium	520		420	71	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Selenium	ND		0.84	0.39	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Silver	ND		0.42	0.087	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Sodium	ND		420	43	mg/Kg	☼	07/21/23 12:55	07/27/23 21:16	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Vanadium	12		4.2	0.66	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1
Zinc	56		1.7	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J B	0.032	0.021	mg/Kg	☼	07/21/23 12:25	07/26/23 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.9		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	93.1		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15

Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Benzene	ND		4.9	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,4-Dioxane	ND		970	74	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Styrene	ND		4.9	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Toluene	ND		4.9	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/21/23 17:58*	*07/22/23 06:01*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*07/21/23 17:58*	*07/22/23 06:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*07/21/23 17:58*	*07/22/23 06:01*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/21/23 17:58*	*07/22/23 06:01*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Acenaphthylene	**16**	**J**	71	16	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Acetophenone	ND		710	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Anthracene	ND		71	18	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Atrazine	ND		710	160	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Carbazole	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Chrysene	ND		71	39	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Fluoranthene	ND		71	19	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Fluorene	ND		71	14	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Hexachloroethane	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Isophorone	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Naphthalene	ND		71	14	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Phenanthrene	ND		71	19	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Phenol	ND		350	110	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
Pyrene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*07/24/23 08:04*	*07/25/23 11:40*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*07/24/23 08:04*	*07/25/23 11:40*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/24/23 08:04*	*07/25/23 11:40*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*07/24/23 08:04*	*07/25/23 11:40*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*07/24/23 08:04*	*07/25/23 11:40*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*07/24/23 08:04*	*07/25/23 11:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1232	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1248	**35**		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1254	**23**		18	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1260	ND		18	5.0	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1262	ND		18	6.2	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*07/24/23 08:43*	*07/25/23 14:17*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*07/24/23 08:43*	*07/25/23 14:17*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*07/24/23 08:43*	*07/25/23 14:17*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*07/24/23 08:43*	*07/25/23 14:17*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		16	4.1	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Antimony	**0.31**	**J**	0.82	0.25	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Arsenic	**7.7**		0.82	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Barium	**52**		16	2.9	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Beryllium	**0.49**		0.33	0.089	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Cadmium	**0.83**		0.41	0.060	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Calcium	**2500**		410	53	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Chromium	**12**		0.41	0.37	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Cobalt	**8.6**		4.1	0.58	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Copper	**21**		2.0	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Iron	**19000**		8.2	8.0	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Lead	**13**		0.82	0.71	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**2800**		410	45	mg/Kg	☼	07/21/23 12:55	07/27/23 21:21	1
Manganese	**380**		1.2	0.23	mg/Kg	☼	07/21/23 12:55	07/27/23 21:21	1
Nickel	**19**		3.3	0.41	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Potassium	**600**		410	70	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Selenium	ND		0.82	0.38	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Silver	ND		0.41	0.085	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Sodium	ND		410	42	mg/Kg	☼	07/21/23 12:55	07/27/23 21:21	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Vanadium	**20**		4.1	0.65	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1
Zinc	**57**		1.6	1.2	mg/Kg	☼	07/21/23 12:55	07/24/23 20:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.034	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.0**		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	**94.0**		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16
Date Collected: 07/20/23 13:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Benzene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16
Date Collected: 07/20/23 13:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,4-Dioxane	ND		960	73	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Styrene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Toluene	ND		4.8	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2,3-Trichlorobenzene	ND		9.6	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*07/21/23 17:58*	*07/22/23 06:24*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*07/21/23 17:58*	*07/22/23 06:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/21/23 17:58*	*07/22/23 06:24*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*07/21/23 17:58*	*07/22/23 06:24*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Acenaphthylene	**54**	**J**	70	15	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Acetophenone	ND		700	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Anthracene	**40**	**J**	70	18	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Atrazine	ND		700	150	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Benzaldehyde	ND		700	43	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Benzo[a]anthracene	**76**		70	31	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Benzo[a]pyrene	**71**		70	30	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Benzo[b]fluoranthene	**82**		70	17	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Benzo[g,h,i]perylene	**120**		70	15	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Benzo[k]fluoranthene	**27**	**J**	70	21	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16

Date Collected: 07/20/23 13:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Carbazole	ND		70	16	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Chrysene	**68**	**J**	70	39	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Dibenzofuran	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Fluoranthene	**120**		70	18	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Fluorene	ND		70	14	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Hexachloroethane	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Indeno[1,2,3-cd]pyrene	**69**	**J**	70	35	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Isophorone	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2-Methylphenol	ND		340	100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Naphthalene	**20**	**J**	70	14	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Nitrobenzene	ND		700	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16

Date Collected: 07/20/23 13:55
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1800	560	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Phenanthrene	**87**		70	19	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Phenol	ND		340	110	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
Pyrene	**130**		70	16	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	07/24/23 08:04	07/25/23 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*07/24/23 08:04*	*07/25/23 12:02*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*07/24/23 08:04*	*07/25/23 12:02*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*07/24/23 08:04*	*07/25/23 12:02*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*07/24/23 08:04*	*07/25/23 12:02*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*07/24/23 08:04*	*07/25/23 12:02*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*	*07/24/23 08:04*	*07/25/23 12:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1221	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1248	**20**		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1254	**21**		18	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*120*		*63 - 138*	*07/24/23 08:43*	*07/25/23 15:13*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*07/24/23 08:43*	*07/25/23 15:13*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*07/24/23 08:43*	*07/25/23 15:13*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*07/24/23 08:43*	*07/25/23 15:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8100**		20	5.1	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Antimony	ND		1.0	0.31	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Arsenic	**7.1**		1.0	0.64	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Barium	**60**		20	3.6	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Beryllium	**0.36**	**J**	0.41	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Cadmium	**0.71**		0.51	0.075	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Calcium	**2000**		510	66	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Chromium	**11**		0.51	0.46	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Cobalt	**9.2**		5.1	0.71	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Copper	**24**		2.5	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Iron	**17000**		10	9.9	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Lead	**18**		1.0	0.88	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Magnesium	**2500**		510	56	mg/Kg	☼	07/21/23 12:55	07/27/23 21:26	1

Client Sample ID: SSHS-ISMP-NAF-UT-B28
Lab Sample ID: 180-159650-16
Date Collected: 07/20/23 13:55
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	580		1.5	0.28	mg/Kg	☼	07/21/23 12:55	07/27/23 21:26	1
Nickel	20		4.1	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Potassium	580		510	86	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Selenium	ND		1.0	0.47	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Silver	ND		0.51	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Sodium	ND		510	52	mg/Kg	☼	07/21/23 12:55	07/27/23 21:26	1
Thallium	ND		2.0	0.29	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Vanadium	16		5.1	0.80	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1
Zinc	64		2.0	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 21:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	B	0.032	0.020	mg/Kg	☼	07/21/23 12:25	07/26/23 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.1		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	92.9		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Benzene	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Styrene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Toluene	ND		5.1	1.5	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	07/21/23 17:58	07/21/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/21/23 17:58*	*07/21/23 23:37*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/21/23 17:58*	*07/21/23 23:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*07/21/23 17:58*	*07/21/23 23:37*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*07/21/23 17:58*	*07/21/23 23:37*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Acetophenone	ND		740	130	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Anthracene	ND		74	19	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Atrazine	ND	F1	740	160	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Benzaldehyde	ND	F1	740	46	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Carbazole	ND		74	17	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Chrysene	ND		74	41	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
3,3'-Dichlorobenzidine	ND		370	340	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Di-n-octyl phthalate	ND		370	210	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Fluoranthene	ND		74	20	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Fluorene	ND		74	15	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Hexachlorocyclopentadiene	ND	F1	370	38	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Naphthalene	ND		74	14	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Nitrobenzene	ND		740	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		74	20	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
Pyrene	ND		74	18	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:04	07/24/23 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*07/24/23 08:04*	*07/24/23 14:27*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*07/24/23 08:04*	*07/24/23 14:27*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/24/23 08:04*	*07/24/23 14:27*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/24/23 08:04*	*07/24/23 14:27*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/24/23 08:04*	*07/24/23 14:27*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*07/24/23 08:04*	*07/24/23 14:27*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1221	ND		18	6.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1232	ND		18	4.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1242	ND		18	2.7	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1248	ND		18	4.4	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1254	ND		18	5.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1260	ND		18	5.3	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1262	ND		18	6.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1
PCB-1268	ND		18	2.5	ug/Kg	☼	07/24/23 08:43	07/25/23 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*127*		*63 - 138*	*07/24/23 08:43*	*07/25/23 09:01*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*07/24/23 08:43*	*07/25/23 09:01*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*07/24/23 08:43*	*07/25/23 09:01*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*07/24/23 08:43*	*07/25/23 09:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		22	5.5	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Antimony	ND	F1 F2	1.1	0.33	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Arsenic	**9.4**		1.1	0.69	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Barium	**44**		22	3.9	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Beryllium	**0.44**		0.44	0.12	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Cadmium	**0.81**		0.55	0.081	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Calcium	**1400**		550	71	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Chromium	**12**		0.55	0.50	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Cobalt	**8.2**		5.5	0.78	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Copper	**28**		2.8	1.7	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Iron	**20000**		11	11	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Lead	**11**		1.1	0.96	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Magnesium	**2200**		550	60	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Manganese	**400**		1.7	0.31	mg/Kg	☼	07/21/23 12:55	07/27/23 19:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Lab Sample ID: 180-159650-17
Date Collected: 07/20/23 14:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 89.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	22		4.4	0.55	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Potassium	660		550	94	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Selenium	ND		1.1	0.51	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Silver	ND		0.55	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Sodium	ND		550	56	mg/Kg	☼	07/21/23 12:55	07/27/23 19:10	1
Thallium	0.45	J	2.2	0.31	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Vanadium	18		5.5	0.87	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1
Zinc	69		2.2	1.6	mg/Kg	☼	07/21/23 12:55	07/24/23 18:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J B	0.036	0.023	mg/Kg	☼	07/21/23 12:25	07/26/23 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.9		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	89.1		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18
Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
cis-1,2-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18
Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/21/23 17:58	07/22/23 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*07/21/23 17:58*	*07/22/23 06:46*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*07/21/23 17:58*	*07/22/23 06:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*137*	*S1+*	*73 - 135*	*07/21/23 17:58*	*07/22/23 06:46*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/21/23 17:58*	*07/22/23 06:46*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1900	550	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Acenaphthylene	**430**	**J**	1900	420	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Acetophenone	ND		19000	3400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Anthracene	ND		1900	500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Atrazine	ND		19000	4200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Benzaldehyde	ND		19000	1200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Benzo[a]anthracene	ND		1900	860	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Benzo[a]pyrene	ND		1900	830	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Benzo[b]fluoranthene	**660**	**J**	1900	470	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Benzo[g,h,i]perylene	**1300**	**J**	1900	410	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Benzo[k]fluoranthene	ND		1900	570	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
1,1'-Biphenyl	ND		9500	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Bis(2-chloroethoxy)methane	ND		9500	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18
Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		1900	350	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Bis(2-ethylhexyl) phthalate	ND		95000	10000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4-Bromophenyl phenyl ether	ND		9500	4100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Butyl benzyl phthalate	ND		9500	6600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Caprolactam	ND		49000	6200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Carbazole	ND		1900	450	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4-Chloroaniline	ND		9500	2500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4-Chloro-3-methylphenol	ND		9500	3400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2-Chloronaphthalene	ND		1900	440	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2-Chlorophenol	ND		9500	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4-Chlorophenyl phenyl ether	ND		9500	3200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Chrysene	ND		1900	1100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Dibenz(a,h)anthracene	ND		1900	1200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Dibenzofuran	ND		9500	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
3,3'-Dichlorobenzidine	ND		9500	8900	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,4-Dichlorophenol	ND		1900	740	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Diethyl phthalate	ND		9500	3400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,4-Dimethylphenol	ND		9500	3200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Dimethyl phthalate	ND		9500	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Di-n-butyl phthalate	ND		9500	4200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4,6-Dinitro-2-methylphenol	ND		49000	17000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,4-Dinitrophenol	ND		95000	59000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,4-Dinitrotoluene	ND		9500	5700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,6-Dinitrotoluene	ND		9500	3700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Di-n-octyl phthalate	ND		9500	5600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
1,4-Dioxane	ND		19000	3000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Fluoranthene	**710**	**J**	1900	510	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Fluorene	ND		1900	380	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Hexachlorobenzene	ND		1900	690	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Hexachlorobutadiene	ND		1900	560	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Hexachlorocyclopentadiene	ND		9500	980	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Hexachloroethane	ND		9500	3400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Indeno[1,2,3-cd]pyrene	ND		1900	950	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Isophorone	ND		9500	3600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2-Methylnaphthalene	ND		1900	460	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2-Methylphenol	ND		9500	2700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Methylphenol, 3 & 4	ND		9500	2800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Naphthalene	ND		1900	370	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2-Nitroaniline	ND		49000	4400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
3-Nitroaniline	ND		49000	2400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4-Nitroaniline	ND		49000	3600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Nitrobenzene	ND		19000	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2-Nitrophenol	ND		9500	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
4-Nitrophenol	ND		49000	6700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
N-Nitrosodi-n-propylamine	ND		1900	650	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
N-Nitrosodiphenylamine	ND		9500	3200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,2'-oxybis[1-chloropropane]	ND		1900	710	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Pentachlorophenol	ND		49000	15000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Phenanthrene	ND		1900	510	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18

Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		9500	2900	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
Pyrene	**730**	**J**	1900	450	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
1,2,4,5-Tetrachlorobenzene	ND		9500	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,3,4,6-Tetrachlorophenol	ND		9500	4000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,4,5-Trichlorophenol	ND		9500	3300	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25
2,4,6-Trichlorophenol	ND		9500	3200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:24	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*S1- D*	*44 - 105*	*07/24/23 08:04*	*07/25/23 12:24*	*25*
2-Fluorophenol (Surr)	*0*	*S1- D*	*48 - 105*	*07/24/23 08:04*	*07/25/23 12:24*	*25*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*46 - 105*	*07/24/23 08:04*	*07/25/23 12:24*	*25*
Phenol-d5 (Surr)	*0*	*S1- D*	*46 - 105*	*07/24/23 08:04*	*07/25/23 12:24*	*25*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*39 - 105*	*07/24/23 08:04*	*07/25/23 12:24*	*25*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*34 - 108*	*07/24/23 08:04*	*07/25/23 12:24*	*25*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1221	ND		19	6.9	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1248	ND		19	4.7	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1260	**61**		19	5.5	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1
PCB-1268	**79**		19	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*456*	*S1+*	*63 - 138*	*07/24/23 08:43*	*07/25/23 15:32*	*1*
DCB Decachlorobiphenyl (Surr)	*456*	*S1+ *3*	*63 - 138*	*07/24/23 08:43*	*07/25/23 15:32*	*1*
Tetrachloro-m-xylene (Surr)	*78*		*55 - 135*	*07/24/23 08:43*	*07/25/23 15:32*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*07/24/23 08:43*	*07/25/23 15:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		21	5.3	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Antimony	ND		1.1	0.32	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Arsenic	**8.2**		1.1	0.66	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Barium	**1500**		21	3.8	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Beryllium	**0.39**	**J**	0.42	0.12	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Cadmium	**1.4**		0.53	0.078	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Calcium	**1900**		530	68	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Chromium	**20**		0.53	0.48	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Cobalt	**7.2**		5.3	0.75	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Copper	**86**		2.6	1.6	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Iron	**17000**		11	10	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Lead	**150**		1.1	0.92	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Magnesium	**2200**		530	58	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Manganese	**510**		1.6	0.29	mg/Kg	☼	07/21/23 12:55	07/27/23 19:34	1
Nickel	**34**		4.2	0.53	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1

Client Sample ID: SSHS-ISMP-NAF-UT-B30
Lab Sample ID: 180-159650-18

Date Collected: 07/20/23 14:05
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 85.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	510	J	530	90	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Selenium	ND		1.1	0.49	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Silver	0.11	J	0.53	0.11	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Sodium	ND		530	54	mg/Kg	☼	07/21/23 12:55	07/27/23 19:34	1
Thallium	ND		2.1	0.30	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Vanadium	29		5.3	0.84	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1
Zinc	480		2.1	1.5	mg/Kg	☼	07/21/23 12:55	07/24/23 19:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23	B	0.034	0.022	mg/Kg	☼	07/21/23 12:25	07/26/23 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.1		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	85.9		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19

Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 78.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Benzene	ND		6.0	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Chloroform	ND		6.0	4.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
cis-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2-Dibromoethane	ND		6.0	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 78.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,4-Dioxane	ND		1200	91	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Methyl acetate	ND		30	8.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Styrene	ND		6.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Toluene	ND		6.0	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,2,4-Trichlorobenzene	ND		6.0	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*07/21/23 17:58*	*07/22/23 07:09*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*07/21/23 17:58*	*07/22/23 07:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*73 - 135*	*07/21/23 17:58*	*07/22/23 07:09*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*07/21/23 17:58*	*07/22/23 07:09*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2100	600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Acenaphthylene	**650**	**J**	2100	460	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Acetophenone	ND		21000	3700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Anthracene	ND		2100	540	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Atrazine	ND		21000	4600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Benzaldehyde	ND		21000	1300	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Benzo[a]anthracene	**1000**	**J**	2100	940	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Benzo[a]pyrene	**1300**	**J**	2100	900	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Benzo[b]fluoranthene	**1300**	**J**	2100	510	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Benzo[g,h,i]perylene	**1400**	**J**	2100	450	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Benzo[k]fluoranthene	ND		2100	630	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
1,1'-Biphenyl	ND		10000	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Bis(2-chloroethoxy)methane	ND		10000	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Bis(2-chloroethyl)ether	ND		2100	380	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19
Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 78.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		100000	11000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4-Bromophenyl phenyl ether	ND		10000	4400	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Butyl benzyl phthalate	ND		10000	7200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Caprolactam	ND		53000	6800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Carbazole	ND		2100	490	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4-Chloroaniline	ND		10000	2700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4-Chloro-3-methylphenol	ND		10000	3700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2-Chloronaphthalene	ND		2100	480	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2-Chlorophenol	ND		10000	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4-Chlorophenyl phenyl ether	ND		10000	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Chrysene	ND		2100	1200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Dibenz(a,h)anthracene	ND		2100	1300	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Dibenzofuran	ND		10000	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
3,3'-Dichlorobenzidine	ND		10000	9700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,4-Dichlorophenol	ND		2100	800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Diethyl phthalate	ND		10000	3700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,4-Dimethylphenol	ND		10000	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Dimethyl phthalate	ND		10000	4100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Di-n-butyl phthalate	ND		10000	4600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4,6-Dinitro-2-methylphenol	ND		53000	18000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,4-Dinitrophenol	ND		100000	65000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,4-Dinitrotoluene	ND		10000	6200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,6-Dinitrotoluene	ND		10000	4100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Di-n-octyl phthalate	ND		10000	6100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
1,4-Dioxane	ND		21000	3300	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Fluoranthene	**1700**	**J**	2100	550	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Fluorene	ND		2100	410	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Hexachlorobenzene	ND		2100	750	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Hexachlorobutadiene	ND		2100	610	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Hexachlorocyclopentadiene	ND		10000	1100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Hexachloroethane	ND		10000	3700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Indeno[1,2,3-cd]pyrene	ND		2100	1000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Isophorone	ND		10000	3900	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2-Methylnaphthalene	ND		2100	500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2-Methylphenol	ND		10000	3000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Methylphenol, 3 & 4	ND		10000	3100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Naphthalene	ND		2100	410	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2-Nitroaniline	ND		53000	4800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
3-Nitroaniline	ND		53000	2700	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4-Nitroaniline	ND		53000	3900	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Nitrobenzene	ND		21000	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2-Nitrophenol	ND		10000	3800	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
4-Nitrophenol	ND		53000	7300	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
N-Nitrosodi-n-propylamine	ND		2100	710	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
N-Nitrosodiphenylamine	ND		10000	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,2'-oxybis[1-chloropropane]	ND		2100	770	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Pentachlorophenol	ND		53000	17000	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Phenanthrene	**1000**	**J**	2100	560	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
Phenol	ND		10000	3200	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19

Date Collected: 07/20/23 00:00
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 78.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**1600**	**J**	2100	490	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
1,2,4,5-Tetrachlorobenzene	ND		10000	4100	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,3,4,6-Tetrachlorophenol	ND		10000	4300	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,4,5-Trichlorophenol	ND		10000	3600	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25
2,4,6-Trichlorophenol	ND		10000	3500	ug/Kg	☼	07/24/23 08:04	07/25/23 12:46	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*S1- D*	*44 - 105*	*07/24/23 08:04*	*07/25/23 12:46*	*25*
2-Fluorophenol (Surr)	*0*	*S1- D*	*48 - 105*	*07/24/23 08:04*	*07/25/23 12:46*	*25*
Nitrobenzene-d5 (Surr)	*0*	*S1- D*	*46 - 105*	*07/24/23 08:04*	*07/25/23 12:46*	*25*
Phenol-d5 (Surr)	*0*	*S1- D*	*46 - 105*	*07/24/23 08:04*	*07/25/23 12:46*	*25*
Terphenyl-d14 (Surr)	*0*	*S1- D*	*39 - 105*	*07/24/23 08:04*	*07/25/23 12:46*	*25*
2,4,6-Tribromophenol (Surr)	*0*	*S1- D*	*34 - 108*	*07/24/23 08:04*	*07/25/23 12:46*	*25*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1221	ND		21	7.3	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1232	ND		21	5.0	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1242	ND		21	3.0	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1248	ND		21	5.0	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1254	ND		21	6.2	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1260	**50**	**p**	21	5.9	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1262	ND		21	7.3	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1
PCB-1268	**150**		21	2.8	ug/Kg	☼	07/24/23 08:43	07/25/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*710*	*S1+*	*63 - 138*	*07/24/23 08:43*	*07/25/23 15:51*	*1*
DCB Decachlorobiphenyl (Surr)	*692*	*S1+*	*63 - 138*	*07/24/23 08:43*	*07/25/23 15:51*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/24/23 08:43*	*07/25/23 15:51*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*07/24/23 08:43*	*07/25/23 15:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8200**		25	6.2	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Antimony	**0.65**	**J**	1.3	0.38	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Arsenic	**12**		1.3	0.78	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Barium	**1100**		25	4.5	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Beryllium	**0.40**	**J**	0.50	0.14	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Cadmium	**2.3**		0.63	0.092	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Calcium	**2400**		630	81	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Chromium	**26**		0.63	0.57	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Cobalt	**7.7**		6.3	0.88	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Copper	**130**		3.1	1.9	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Iron	**30000**		13	12	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Lead	**160**		1.3	1.1	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Magnesium	**2400**		630	69	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Manganese	**660**		1.9	0.35	mg/Kg	☼	07/21/23 12:55	07/27/23 19:40	1
Nickel	**40**		5.0	0.63	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Potassium	**400**	**J**	630	110	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1

Client Sample ID: SSHS-ISMP-NAF-DUP19A
Lab Sample ID: 180-159650-19

Date Collected: 07/20/23 00:00
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 78.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		1.3	0.58	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Silver	**0.20**	**J**	0.63	0.13	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Sodium	ND		630	64	mg/Kg	☼	07/21/23 12:55	07/27/23 19:40	1
Thallium	ND		2.5	0.36	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Vanadium	**34**		6.3	0.99	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1
Zinc	**590**		2.5	1.8	mg/Kg	☼	07/21/23 12:55	07/24/23 19:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**	**B**	0.041	0.027	mg/Kg	☼	07/21/23 12:25	07/26/23 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**21.7**		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	**78.3**		0.1	0.1	%			07/21/23 15:07	1

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20

Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20

Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1000	79	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Styrene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	07/21/23 17:58	07/22/23 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*60 - 124*	*07/21/23 17:58*	*07/22/23 07:31*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*07/21/23 17:58*	*07/22/23 07:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/21/23 17:58*	*07/22/23 07:31*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/21/23 17:58*	*07/22/23 07:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Acenaphthylene	**50**	**J**	71	15	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Acetophenone	ND		710	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Anthracene	ND		71	18	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Atrazine	ND		710	150	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Benzaldehyde	ND		710	44	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20
Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Caprolactam	ND		1800	230	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Carbazole	ND		71	16	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Chrysene	ND		71	39	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Dibenzofuran	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Fluoranthene	ND		71	19	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Fluorene	ND		71	14	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Hexachloroethane	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Isophorone	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2-Methylphenol	ND		350	100	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Naphthalene	ND		71	14	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Nitrobenzene	ND		710	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Phenanthrene	ND		71	19	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Phenol	ND		350	110	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
Pyrene	ND		71	17	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20

Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	07/24/23 08:04	07/25/23 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*07/24/23 08:04*	*07/25/23 13:08*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*07/24/23 08:04*	*07/25/23 13:08*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*07/24/23 08:04*	*07/25/23 13:08*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*07/24/23 08:04*	*07/25/23 13:08*	*1*
Terphenyl-d14 (Surr)	*62*		*39 - 105*	*07/24/23 08:04*	*07/25/23 13:08*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*07/24/23 08:04*	*07/25/23 13:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1221	ND		18	6.4	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1232	ND		18	4.4	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1242	ND		18	2.6	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1248	ND		18	4.3	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1254	ND		18	5.4	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1260	ND		18	5.1	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1262	ND		18	6.3	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1
PCB-1268	ND		18	2.4	ug/Kg	☼	07/24/23 08:43	07/25/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*07/24/23 08:43*	*07/25/23 16:09*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*07/24/23 08:43*	*07/25/23 16:09*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*07/24/23 08:43*	*07/25/23 16:09*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*07/24/23 08:43*	*07/25/23 16:09*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		18	4.6	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Antimony	**0.31**	**J**	0.91	0.28	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Arsenic	**6.4**		0.91	0.57	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Barium	**59**		18	3.3	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Beryllium	**0.43**		0.37	0.10	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Cadmium	**0.81**		0.46	0.067	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Calcium	**22000**		460	59	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Chromium	**13**		0.46	0.42	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Cobalt	**8.8**		4.6	0.64	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Copper	**24**		2.3	1.4	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Iron	**18000**		9.1	8.9	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Lead	**11**		0.91	0.80	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Magnesium	**5000**		460	50	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Manganese	**560**		1.4	0.25	mg/Kg	☼	07/21/23 12:55	07/27/23 19:45	1
Nickel	**21**		3.7	0.46	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Potassium	**790**		460	78	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Selenium	ND		0.91	0.42	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20
Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.46	0.095	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Sodium	**66**	**J**	460	47	mg/Kg	☼	07/21/23 12:55	07/27/23 19:45	1
Thallium	ND		1.8	0.26	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Vanadium	**17**		4.6	0.72	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1
Zinc	**69**		1.8	1.3	mg/Kg	☼	07/21/23 12:55	07/24/23 19:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.031	0.020	mg/Kg	☼	07/21/23 12:25	07/26/23 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.2**		0.1	0.1	%			07/21/23 15:07	1
Percent Solids (SM22 2540G)	**92.8**		0.1	0.1	%			07/21/23 15:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-159650-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-441120/6
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/21/23 22:52	1
Benzene	ND		5.0	1.4	ug/Kg			07/21/23 22:52	1
Bromoform	ND		5.0	2.5	ug/Kg			07/21/23 22:52	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/21/23 22:52	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/21/23 22:52	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/21/23 22:52	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/21/23 22:52	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/21/23 22:52	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/21/23 22:52	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/21/23 22:52	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/21/23 22:52	1
Chloroform	ND		5.0	3.4	ug/Kg			07/21/23 22:52	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/21/23 22:52	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/21/23 22:52	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/21/23 22:52	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/21/23 22:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/21/23 22:52	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/21/23 22:52	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/21/23 22:52	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/21/23 22:52	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/21/23 22:52	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/21/23 22:52	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/21/23 22:52	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/21/23 22:52	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/21/23 22:52	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/21/23 22:52	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/21/23 22:52	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/21/23 22:52	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/21/23 22:52	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/21/23 22:52	1
2-Hexanone	ND		25	1.6	ug/Kg			07/21/23 22:52	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/21/23 22:52	1
Methyl acetate	ND		25	7.4	ug/Kg			07/21/23 22:52	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/21/23 22:52	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/21/23 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/21/23 22:52	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/21/23 22:52	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/21/23 22:52	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/21/23 22:52	1
Styrene	ND		5.0	1.5	ug/Kg			07/21/23 22:52	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/21/23 22:52	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/21/23 22:52	1
Toluene	ND		5.0	1.4	ug/Kg			07/21/23 22:52	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/21/23 22:52	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/21/23 22:52	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/21/23 22:52	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/21/23 22:52	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/21/23 22:52	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-441120/6
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/21/23 22:52	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/21/23 22:52	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/21/23 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/21/23 22:52	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/21/23 22:52	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/21/23 22:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*		*07/21/23 22:52*	*1*
Dibromofluoromethane (Surr)	*115*		*69 - 126*		*07/21/23 22:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*		*07/21/23 22:52*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*		*07/21/23 22:52*	*1*

Lab Sample ID: LCS 180-441120/3
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	40.5		ug/Kg		101	23 - 170
Benzene	40.0	39.9		ug/Kg		100	77 - 120
Bromoform	40.0	37.4		ug/Kg		94	37 - 147
Bromomethane	40.0	33.8		ug/Kg		85	47 - 149
2-Butanone (MEK)	40.0	46.5		ug/Kg		116	39 - 157
Carbon disulfide	40.0	36.2		ug/Kg		91	40 - 156
Carbon tetrachloride	40.0	35.8		ug/Kg		90	73 - 130
Chlorobenzene	40.0	35.7		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	38.1		ug/Kg		95	64 - 128
Chlorodibromomethane	40.0	37.7		ug/Kg		94	60 - 134
Chloroethane	40.0	27.3		ug/Kg		68	37 - 159
Chloroform	40.0	40.9		ug/Kg		102	73 - 126
Chloromethane	40.0	42.5		ug/Kg		106	46 - 151
cis-1,2-Dichloroethene	40.0	38.0		ug/Kg		95	77 - 118
cis-1,3-Dichloropropene	40.0	38.0		ug/Kg		95	73 - 127
Cyclohexane	40.0	35.7		ug/Kg		89	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.1		ug/Kg		103	30 - 163
1,2-Dibromoethane	40.0	41.9		ug/Kg		105	59 - 137
1,2-Dichlorobenzene	40.0	38.2		ug/Kg		96	76 - 120
1,3-Dichlorobenzene	40.0	36.0		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	36.7		ug/Kg		92	79 - 120
Dichlorobromomethane	40.0	41.9		ug/Kg		105	75 - 123
Dichlorodifluoromethane	40.0	36.4		ug/Kg		91	26 - 149
1,1-Dichloroethane	40.0	38.9		ug/Kg		97	73 - 124
1,2-Dichloroethane	40.0	43.0		ug/Kg		108	64 - 140
1,1-Dichloroethene	40.0	36.3		ug/Kg		91	55 - 136
1,2-Dichloroethene, Total	80.0	75.4		ug/Kg		94	77 - 119
1,2-Dichloropropane	40.0	41.3		ug/Kg		103	77 - 119
1,4-Dioxane	800	613	J	ug/Kg		77	18 - 166
Ethylbenzene	40.0	35.3		ug/Kg		88	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-441120/3
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	38.4		ug/Kg		96	42 - 152
Isopropylbenzene	40.0	36.2		ug/Kg		90	70 - 125
Methyl acetate	80.0	126		ug/Kg		158	20 - 170
Methylcyclohexane	40.0	34.3		ug/Kg		86	70 - 125
Methylene Chloride	40.0	43.4		ug/Kg		108	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	41.1		ug/Kg		103	51 - 147
Methyl tert-butyl ether	40.0	42.7		ug/Kg		107	58 - 132
m-Xylene & p-Xylene	40.0	34.7		ug/Kg		87	77 - 120
o-Xylene	40.0	35.6		ug/Kg		89	78 - 118
Styrene	40.0	37.9		ug/Kg		95	80 - 120
1,1,2,2-Tetrachloroethane	40.0	44.5		ug/Kg		111	36 - 170
Tetrachloroethene	40.0	33.6		ug/Kg		84	71 - 121
Toluene	40.0	36.4		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	37.4		ug/Kg		93	75 - 122
trans-1,3-Dichloropropene	40.0	40.5		ug/Kg		101	68 - 133
1,2,3-Trichlorobenzene	40.0	40.5		ug/Kg		101	29 - 166
1,2,4-Trichlorobenzene	40.0	38.0		ug/Kg		95	22 - 170
1,1,1-Trichloroethane	40.0	37.6		ug/Kg		94	72 - 134
1,1,2-Trichloroethane	40.0	41.9		ug/Kg		105	66 - 128
Trichloroethene	40.0	36.1		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	32.8		ug/Kg		82	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	36.2		ug/Kg		91	59 - 135
Vinyl chloride	40.0	36.3		ug/Kg		91	64 - 134
Xylenes, Total	80.0	70.3		ug/Kg		88	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: LCSD 180-441120/4
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	37.5		ug/Kg		94	23 - 170	8	35
Benzene	40.0	41.5		ug/Kg		104	77 - 120	4	20
Bromoform	40.0	38.5		ug/Kg		96	37 - 147	3	23
Bromomethane	40.0	36.3		ug/Kg		91	47 - 149	7	25
2-Butanone (MEK)	40.0	34.6		ug/Kg		87	39 - 157	29	33
Carbon disulfide	40.0	38.8		ug/Kg		97	40 - 156	7	25
Carbon tetrachloride	40.0	37.0		ug/Kg		92	73 - 130	3	21
Chlorobenzene	40.0	38.0		ug/Kg		95	79 - 122	6	20
Chlorobromomethane	40.0	39.3		ug/Kg		98	64 - 128	3	20
Chlorodibromomethane	40.0	40.3		ug/Kg		101	60 - 134	7	40
Chloroethane	40.0	31.9		ug/Kg		80	37 - 159	16	25
Chloroform	40.0	42.3		ug/Kg		106	73 - 126	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-441120/4
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	45.3		ug/Kg		113	46 - 151	6	33
cis-1,2-Dichloroethene			40.0	40.0		ug/Kg		100	77 - 118	5	20
cis-1,3-Dichloropropene			40.0	40.2		ug/Kg		100	73 - 127	6	20
Cyclohexane			40.0	37.6		ug/Kg		94	63 - 143	5	25
1,2-Dibromo-3-Chloropropane			40.0	42.8		ug/Kg		107	30 - 163	4	34
1,2-Dibromoethane			40.0	42.7		ug/Kg		107	59 - 137	2	20
1,2-Dichlorobenzene			40.0	40.2		ug/Kg		100	76 - 120	5	20
1,3-Dichlorobenzene			40.0	38.6		ug/Kg		97	77 - 121	7	20
1,4-Dichlorobenzene			40.0	38.8		ug/Kg		97	79 - 120	6	20
Dichlorobromomethane			40.0	42.9		ug/Kg		107	75 - 123	2	20
Dichlorodifluoromethane			40.0	39.2		ug/Kg		98	26 - 149	8	24
1,1-Dichloroethane			40.0	41.1		ug/Kg		103	73 - 124	6	20
1,2-Dichloroethane			40.0	44.0		ug/Kg		110	64 - 140	2	20
1,1-Dichloroethene			40.0	39.4		ug/Kg		98	55 - 136	8	21
1,2-Dichloroethene, Total			80.0	79.1		ug/Kg		99	77 - 119	5	20
1,2-Dichloropropane			40.0	42.8		ug/Kg		107	77 - 119	3	20
1,4-Dioxane			800	871	J	ug/Kg		109	18 - 166	35	40
Ethylbenzene			40.0	38.3		ug/Kg		96	79 - 119	8	20
2-Hexanone			40.0	39.4		ug/Kg		99	42 - 152	3	30
Isopropylbenzene			40.0	38.7		ug/Kg		97	70 - 125	7	21
Methyl acetate			80.0	118		ug/Kg		147	20 - 170	7	33
Methylcyclohexane			40.0	36.4		ug/Kg		91	70 - 125	6	22
Methylene Chloride			40.0	45.7		ug/Kg		114	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)			40.0	41.1		ug/Kg		103	51 - 147	0	27
Methyl tert-butyl ether			40.0	43.0		ug/Kg		107	58 - 132	1	24
m-Xylene & p-Xylene			40.0	37.8		ug/Kg		95	77 - 120	9	20
o-Xylene			40.0	37.8		ug/Kg		95	78 - 118	6	20
Styrene			40.0	39.8		ug/Kg		99	80 - 120	5	20
1,1,2,2-Tetrachloroethane			40.0	45.3		ug/Kg		113	36 - 170	2	23
Tetrachloroethene			40.0	35.7		ug/Kg		89	71 - 121	6	21
Toluene			40.0	38.8		ug/Kg		97	76 - 120	7	20
trans-1,2-Dichloroethene			40.0	39.1		ug/Kg		98	75 - 122	5	20
trans-1,3-Dichloropropene			40.0	43.4		ug/Kg		108	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	42.7		ug/Kg		107	29 - 166	5	40
1,2,4-Trichlorobenzene			40.0	40.5		ug/Kg		101	22 - 170	6	29
1,1,1-Trichloroethane			40.0	39.4		ug/Kg		98	72 - 134	5	20
1,1,2-Trichloroethane			40.0	43.8		ug/Kg		110	66 - 128	5	21
Trichloroethene			40.0	37.0		ug/Kg		93	69 - 118	3	20
Trichlorofluoromethane			40.0	39.8		ug/Kg		100	32 - 149	19	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	37.7		ug/Kg		94	59 - 135	4	28
Vinyl chloride			40.0	40.9		ug/Kg		102	64 - 134	12	23
Xylenes, Total			80.0	75.6		ug/Kg		95	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-441120/4
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*67 - 134*

Lab Sample ID: 180-159650-17 MS
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		41.9	41.1		ug/Kg	☼	98	23 - 170
Benzene	ND		41.9	43.1		ug/Kg	☼	103	77 - 120
Bromoform	ND		41.9	36.8		ug/Kg	☼	88	37 - 147
Bromomethane	ND		41.9	40.3		ug/Kg	☼	96	47 - 149
2-Butanone (MEK)	ND		41.9	41.7		ug/Kg	☼	99	39 - 157
Carbon disulfide	ND		41.9	39.0		ug/Kg	☼	93	40 - 156
Carbon tetrachloride	ND		41.9	38.2		ug/Kg	☼	91	73 - 130
Chlorobenzene	ND		41.9	38.6		ug/Kg	☼	92	79 - 122
Chlorobromomethane	ND		41.9	39.7		ug/Kg	☼	95	64 - 128
Chlorodibromomethane	ND		41.9	38.7		ug/Kg	☼	92	60 - 134
Chloroethane	ND		41.9	32.8		ug/Kg	☼	78	37 - 159
Chloroform	ND		41.9	43.3		ug/Kg	☼	103	73 - 126
Chloromethane	ND		41.9	49.7		ug/Kg	☼	119	46 - 151
cis-1,2-Dichloroethene	ND		41.9	40.8		ug/Kg	☼	97	77 - 118
cis-1,3-Dichloropropene	ND		41.9	38.3		ug/Kg	☼	91	73 - 127
Cyclohexane	ND		41.9	38.1		ug/Kg	☼	91	63 - 143
1,2-Dibromo-3-Chloropropane	ND		41.9	41.8		ug/Kg	☼	100	30 - 163
1,2-Dibromoethane	ND		41.9	41.3		ug/Kg	☼	99	59 - 137
1,2-Dichlorobenzene	ND		41.9	39.8		ug/Kg	☼	95	76 - 120
1,3-Dichlorobenzene	ND		41.9	38.6		ug/Kg	☼	92	77 - 121
1,4-Dichlorobenzene	ND		41.9	38.8		ug/Kg	☼	93	79 - 120
Dichlorobromomethane	ND		41.9	42.3		ug/Kg	☼	101	75 - 123
Dichlorodifluoromethane	ND		41.9	42.0		ug/Kg	☼	100	26 - 149
1,1-Dichloroethane	ND		41.9	42.4		ug/Kg	☼	101	73 - 124
1,2-Dichloroethane	ND		41.9	43.4		ug/Kg	☼	104	64 - 140
1,1-Dichloroethene	ND		41.9	40.2		ug/Kg	☼	96	55 - 136
1,2-Dichloroethene, Total	ND		83.8	81.6		ug/Kg	☼	97	77 - 119
1,2-Dichloropropane	ND		41.9	42.8		ug/Kg	☼	102	77 - 119
1,4-Dioxane	ND		838	940	J	ug/Kg	☼	112	18 - 166
Ethylbenzene	ND		41.9	39.1		ug/Kg	☼	93	79 - 119
2-Hexanone	ND		41.9	35.4		ug/Kg	☼	85	42 - 152
Isopropylbenzene	ND		41.9	39.4		ug/Kg	☼	94	70 - 125
Methyl acetate	ND		83.8	117		ug/Kg	☼	140	20 - 170
Methylcyclohexane	ND		41.9	36.6		ug/Kg	☼	87	70 - 125
Methylene Chloride	ND		41.9	46.5		ug/Kg	☼	111	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		41.9	39.0		ug/Kg	☼	93	51 - 147
Methyl tert-butyl ether	ND		41.9	41.4		ug/Kg	☼	99	58 - 132
m-Xylene & p-Xylene	ND		41.9	38.0		ug/Kg	☼	91	77 - 120
o-Xylene	ND		41.9	38.1		ug/Kg	☼	91	78 - 118
Styrene	ND		41.9	40.3		ug/Kg	☼	96	80 - 120
1,1,2,2-Tetrachloroethane	ND		41.9	42.8		ug/Kg	☼	102	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159650-17 MS
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441122

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		41.9	36.5		ug/Kg	☼	87	71 - 121
Toluene	ND		41.9	39.8		ug/Kg	☼	95	76 - 120
trans-1,2-Dichloroethene	ND		41.9	40.8		ug/Kg	☼	97	75 - 122
trans-1,3-Dichloropropene	ND		41.9	40.7		ug/Kg	☼	97	68 - 133
1,2,3-Trichlorobenzene	ND		41.9	42.0		ug/Kg	☼	100	29 - 166
1,2,4-Trichlorobenzene	ND		41.9	39.3		ug/Kg	☼	94	22 - 170
1,1,1-Trichloroethane	ND		41.9	40.6		ug/Kg	☼	97	72 - 134
1,1,2-Trichloroethane	ND		41.9	43.1		ug/Kg	☼	103	66 - 128
Trichloroethene	ND		41.9	38.2		ug/Kg	☼	91	69 - 118
Trichlorofluoromethane	ND		41.9	44.9		ug/Kg	☼	107	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.9	39.6		ug/Kg	☼	95	59 - 135
Vinyl chloride	ND		41.9	43.7		ug/Kg	☼	104	64 - 134
Xylenes, Total	ND		83.8	76.1		ug/Kg	☼	91	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: 180-159650-17 MSD
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		39.9	39.9		ug/Kg	☼	100	23 - 170	3	35
Benzene	ND		39.9	38.3		ug/Kg	☼	96	77 - 120	12	20
Bromoform	ND		39.9	32.9		ug/Kg	☼	82	37 - 147	11	23
Bromomethane	ND		39.9	33.1		ug/Kg	☼	83	47 - 149	20	25
2-Butanone (MEK)	ND		39.9	33.7		ug/Kg	☼	85	39 - 157	21	33
Carbon disulfide	ND		39.9	36.0		ug/Kg	☼	90	40 - 156	8	25
Carbon tetrachloride	ND		39.9	34.8		ug/Kg	☼	87	73 - 130	9	21
Chlorobenzene	ND		39.9	35.0		ug/Kg	☼	88	79 - 122	10	20
Chlorobromomethane	ND		39.9	34.9		ug/Kg	☼	87	64 - 128	13	20
Chlorodibromomethane	ND		39.9	34.4		ug/Kg	☼	86	60 - 134	12	40
Chloroethane	ND		39.9	27.0		ug/Kg	☼	68	37 - 159	19	25
Chloroform	ND		39.9	38.4		ug/Kg	☼	96	73 - 126	12	20
Chloromethane	ND		39.9	43.6		ug/Kg	☼	109	46 - 151	13	33
cis-1,2-Dichloroethene	ND		39.9	36.2		ug/Kg	☼	91	77 - 118	12	20
cis-1,3-Dichloropropene	ND		39.9	33.2		ug/Kg	☼	83	73 - 127	14	20
Cyclohexane	ND		39.9	34.9		ug/Kg	☼	87	63 - 143	9	25
1,2-Dibromo-3-Chloropropane	ND		39.9	38.2		ug/Kg	☼	96	30 - 163	9	34
1,2-Dibromoethane	ND		39.9	37.1		ug/Kg	☼	93	59 - 137	11	20
1,2-Dichlorobenzene	ND		39.9	35.8		ug/Kg	☼	90	76 - 120	11	20
1,3-Dichlorobenzene	ND		39.9	34.9		ug/Kg	☼	87	77 - 121	10	20
1,4-Dichlorobenzene	ND		39.9	35.6		ug/Kg	☼	89	79 - 120	9	20
Dichlorobromomethane	ND		39.9	37.8		ug/Kg	☼	95	75 - 123	11	20
Dichlorodifluoromethane	ND		39.9	37.6		ug/Kg	☼	94	26 - 149	11	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159650-17 MSD
Matrix: Solid
Analysis Batch: 441120

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441122

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		39.9	37.8		ug/Kg	☼	95	73 - 124	12	20
1,2-Dichloroethane	ND		39.9	38.4		ug/Kg	☼	96	64 - 140	12	20
1,1-Dichloroethene	ND		39.9	36.9		ug/Kg	☼	92	55 - 136	9	21
1,2-Dichloroethene, Total	ND		79.9	73.3		ug/Kg	☼	92	77 - 119	11	20
1,2-Dichloropropane	ND		39.9	37.6		ug/Kg	☼	94	77 - 119	13	20
1,4-Dioxane	ND		799	1070		ug/Kg	☼	134	18 - 166	13	40
Ethylbenzene	ND		39.9	35.4		ug/Kg	☼	89	79 - 119	10	20
2-Hexanone	ND		39.9	32.5		ug/Kg	☼	81	42 - 152	9	30
Isopropylbenzene	ND		39.9	36.0		ug/Kg	☼	90	70 - 125	9	21
Methyl acetate	ND		79.9	121		ug/Kg	☼	151	20 - 170	3	33
Methylcyclohexane	ND		39.9	34.2		ug/Kg	☼	86	70 - 125	7	22
Methylene Chloride	ND		39.9	40.8		ug/Kg	☼	102	67 - 131	13	32
4-Methyl-2-pentanone (MIBK)	ND		39.9	38.1		ug/Kg	☼	95	51 - 147	2	27
Methyl tert-butyl ether	ND		39.9	37.8		ug/Kg	☼	95	58 - 132	9	24
m-Xylene & p-Xylene	ND		39.9	35.1		ug/Kg	☼	88	77 - 120	8	20
o-Xylene	ND		39.9	34.2		ug/Kg	☼	86	78 - 118	11	20
Styrene	ND		39.9	35.9		ug/Kg	☼	90	80 - 120	12	20
1,1,2,2-Tetrachloroethane	ND		39.9	39.5		ug/Kg	☼	99	36 - 170	8	23
Tetrachloroethene	ND		39.9	34.4		ug/Kg	☼	86	71 - 121	6	21
Toluene	ND		39.9	36.6		ug/Kg	☼	92	76 - 120	8	20
trans-1,2-Dichloroethene	ND		39.9	37.1		ug/Kg	☼	93	75 - 122	10	20
trans-1,3-Dichloropropene	ND		39.9	35.8		ug/Kg	☼	90	68 - 133	13	20
1,2,3-Trichlorobenzene	ND		39.9	37.2		ug/Kg	☼	93	29 - 166	12	40
1,2,4-Trichlorobenzene	ND		39.9	35.3		ug/Kg	☼	88	22 - 170	11	29
1,1,1-Trichloroethane	ND		39.9	36.9		ug/Kg	☼	92	72 - 134	9	20
1,1,2-Trichloroethane	ND		39.9	38.3		ug/Kg	☼	96	66 - 128	12	21
Trichloroethene	ND		39.9	34.3		ug/Kg	☼	86	69 - 118	11	20
Trichlorofluoromethane	ND		39.9	36.4		ug/Kg	☼	91	32 - 149	21	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39.9	36.2		ug/Kg	☼	91	59 - 135	9	28
Vinyl chloride	ND		39.9	37.7		ug/Kg	☼	95	64 - 134	15	23
Xylenes, Total	ND		79.9	69.3		ug/Kg	☼	87	78 - 118	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*105*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-441196/1-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Acenaphthylene	ND		67	15	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Acetophenone	ND		670	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-441196/1-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Atrazine	ND		670	150	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Benzaldehyde	ND		670	41	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Caprolactam	ND		1700	220	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Carbazole	ND		67	16	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4-Chloroaniline	ND		330	88	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2-Chlorophenol	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Chrysene	ND		67	37	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Dibenzofuran	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Diethyl phthalate	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
1,4-Dioxane	ND		670	100	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Fluoranthene	ND		67	18	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Fluorene	ND		67	13	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Hexachloroethane	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Isophorone	ND		330	130	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2-Methylphenol	ND		330	96	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Naphthalene	ND		67	13	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/24/23 08:04	07/24/23 12:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-441196/1-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Nitrobenzene	ND		670	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2-Nitrophenol	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Phenanthrene	ND		67	18	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Phenol	ND		330	100	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
Pyrene	ND		67	16	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/24/23 08:04	07/24/23 12:53	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/24/23 08:04	07/24/23 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*07/24/23 08:04*	*07/24/23 12:53*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*07/24/23 08:04*	*07/24/23 12:53*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/24/23 08:04*	*07/24/23 12:53*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*07/24/23 08:04*	*07/24/23 12:53*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*07/24/23 08:04*	*07/24/23 12:53*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*07/24/23 08:04*	*07/24/23 12:53*	*1*

Lab Sample ID: LCS 180-441196/2-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4590		ug/Kg		69	50 - 100
Acenaphthylene	6670	4800		ug/Kg		72	52 - 100
Acetophenone	6670	4250		ug/Kg		64	48 - 100
Anthracene	6670	4430		ug/Kg		66	53 - 100
Atrazine	6670	4120		ug/Kg		62	49 - 103
Benzaldehyde	6670	4630		ug/Kg		69	23 - 105
Benzo[a]anthracene	6670	4350		ug/Kg		65	51 - 100
Benzo[a]pyrene	6670	4670		ug/Kg		70	51 - 100
Benzo[b]fluoranthene	6670	3870		ug/Kg		58	48 - 100
Benzo[g,h,i]perylene	6670	3940		ug/Kg		59	48 - 105
Benzo[k]fluoranthene	6670	4110		ug/Kg		62	19 - 100
1,1'-Biphenyl	6670	4560		ug/Kg		68	50 - 100
Bis(2-chloroethoxy)methane	6670	4620		ug/Kg		69	49 - 100
Bis(2-chloroethyl)ether	6670	4410		ug/Kg		66	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4390		ug/Kg		66	53 - 107
4-Bromophenyl phenyl ether	6670	4510		ug/Kg		68	52 - 101
Butyl benzyl phthalate	6670	4460		ug/Kg		67	52 - 107
Caprolactam	6670	4830		ug/Kg		72	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-441196/2-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4390		ug/Kg		66	53 - 100
4-Chloroaniline	6670	4380		ug/Kg		66	47 - 100
4-Chloro-3-methylphenol	6670	4660		ug/Kg		70	49 - 106
2-Chloronaphthalene	6670	4480		ug/Kg		67	51 - 100
2-Chlorophenol	6670	4420		ug/Kg		66	51 - 100
4-Chlorophenyl phenyl ether	6670	4540		ug/Kg		68	52 - 100
Chrysene	6670	4220		ug/Kg		63	50 - 100
Dibenz(a,h)anthracene	6670	3950		ug/Kg		59	50 - 107
Dibenzofuran	6670	4470		ug/Kg		67	52 - 100
3,3'-Dichlorobenzidine	6670	4550		ug/Kg		68	43 - 100
2,4-Dichlorophenol	6670	4580		ug/Kg		69	53 - 101
Diethyl phthalate	6670	4440		ug/Kg		67	48 - 104
2,4-Dimethylphenol	6670	3990		ug/Kg		60	51 - 101
Dimethyl phthalate	6670	4560		ug/Kg		68	53 - 100
Di-n-butyl phthalate	6670	4730		ug/Kg		71	57 - 102
4,6-Dinitro-2-methylphenol	13300	8190		ug/Kg		61	51 - 100
2,4-Dinitrophenol	13300	8140		ug/Kg		61	33 - 101
2,4-Dinitrotoluene	6670	5250		ug/Kg		79	54 - 104
2,6-Dinitrotoluene	6670	4740		ug/Kg		71	51 - 106
Di-n-octyl phthalate	6670	3960		ug/Kg		59	41 - 106
1,4-Dioxane	6670	5630		ug/Kg		84	25 - 125
Fluoranthene	6670	4630		ug/Kg		69	55 - 100
Fluorene	6670	4550		ug/Kg		68	52 - 100
Hexachlorobenzene	6670	4330		ug/Kg		65	49 - 100
Hexachlorobutadiene	6670	4560		ug/Kg		68	38 - 107
Hexachlorocyclopentadiene	6670	3450		ug/Kg		52	33 - 117
Hexachloroethane	6670	4470		ug/Kg		67	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4240		ug/Kg		64	51 - 103
Isophorone	6670	4640		ug/Kg		70	48 - 105
2-Methylnaphthalene	6670	4640		ug/Kg		70	53 - 100
2-Methylphenol	6670	4490		ug/Kg		67	50 - 101
Methylphenol, 3 & 4	6670	4440		ug/Kg		67	50 - 103
Naphthalene	6670	4520		ug/Kg		68	51 - 100
2-Nitroaniline	6670	5070		ug/Kg		76	42 - 123
3-Nitroaniline	6670	4530		ug/Kg		68	50 - 103
4-Nitroaniline	6670	5140		ug/Kg		77	52 - 103
Nitrobenzene	6670	4660		ug/Kg		70	44 - 108
2-Nitrophenol	6670	4980		ug/Kg		75	55 - 107
4-Nitrophenol	13300	10300		ug/Kg		77	30 - 134
N-Nitrosodi-n-propylamine	6670	4290		ug/Kg		64	45 - 107
N-Nitrosodiphenylamine	6670	4320		ug/Kg		65	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4340		ug/Kg		65	30 - 113
Pentachlorophenol	13300	9480		ug/Kg		71	42 - 110
Phenanthrene	6670	4280		ug/Kg		64	53 - 100
Phenol	6670	4330		ug/Kg		65	49 - 100
Pyrene	6670	4270		ug/Kg		64	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4610		ug/Kg		69	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4430		ug/Kg		66	47 - 104
2,4,5-Trichlorophenol	6670	4660		ug/Kg		70	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-441196/2-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441196

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	4630		ug/Kg		69	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*69*		*48 - 105*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*
Phenol-d5 (Surr)	*64*		*46 - 105*
Terphenyl-d14 (Surr)	*58*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*

Lab Sample ID: 180-159650-17 MS
Matrix: Solid
Analysis Batch: 441174

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7440	5450		ug/Kg	☼	73	50 - 100		
Acenaphthylene	ND		7440	5990		ug/Kg	☼	81	52 - 100		
Acetophenone	ND		7440	4880		ug/Kg	☼	66	48 - 100		
Anthracene	ND		7440	5700		ug/Kg	☼	77	53 - 100		
Atrazine	ND	F1	7440	1590	F1	ug/Kg	☼	21	49 - 103		
Benzaldehyde	ND	F1	7440	645	J F1	ug/Kg	☼	9	23 - 105		
Benzo[a]anthracene	ND		7440	6100		ug/Kg	☼	82	51 - 100		
Benzo[a]pyrene	ND		7440	5570		ug/Kg	☼	75	51 - 100		
Benzo[b]fluoranthene	ND		7440	5060		ug/Kg	☼	68	48 - 100		
Benzo[g,h,i]perylene	ND		7440	5900		ug/Kg	☼	79	48 - 105		
Benzo[k]fluoranthene	ND		7440	4800		ug/Kg	☼	65	19 - 100		
1,1'-Biphenyl	ND		7440	5470		ug/Kg	☼	74	50 - 100		
Bis(2-chloroethoxy)methane	ND		7440	5690		ug/Kg	☼	77	49 - 100		
Bis(2-chloroethyl)ether	ND		7440	5200		ug/Kg	☼	70	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7440	6440		ug/Kg	☼	87	53 - 107		
4-Bromophenyl phenyl ether	ND		7440	5960		ug/Kg	☼	80	52 - 101		
Butyl benzyl phthalate	ND		7440	6150		ug/Kg	☼	83	52 - 107		
Caprolactam	ND		7440	5530		ug/Kg	☼	74	48 - 111		
Carbazole	ND		7440	5570		ug/Kg	☼	75	53 - 100		
4-Chloroaniline	ND		7440	4110		ug/Kg	☼	55	47 - 100		
4-Chloro-3-methylphenol	ND		7440	6200		ug/Kg	☼	83	49 - 106		
2-Chloronaphthalene	ND		7440	5510		ug/Kg	☼	74	51 - 100		
2-Chlorophenol	ND		7440	5320		ug/Kg	☼	72	51 - 100		
4-Chlorophenyl phenyl ether	ND		7440	6130		ug/Kg	☼	82	52 - 100		
Chrysene	ND		7440	6260		ug/Kg	☼	84	50 - 100		
Dibenz(a,h)anthracene	ND		7440	6230		ug/Kg	☼	84	50 - 107		
Dibenzofuran	ND		7440	5720		ug/Kg	☼	77	52 - 100		
3,3'-Dichlorobenzidine	ND		7440	4750		ug/Kg	☼	64	43 - 100		
2,4-Dichlorophenol	ND		7440	5930		ug/Kg	☼	80	53 - 101		
Diethyl phthalate	ND		7440	6160		ug/Kg	☼	83	48 - 104		
2,4-Dimethylphenol	ND		7440	4810		ug/Kg	☼	65	51 - 101		
Dimethyl phthalate	ND		7440	5800		ug/Kg	☼	78	53 - 100		
Di-n-butyl phthalate	ND		7440	6120		ug/Kg	☼	82	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159650-17 MS
Client Sample ID: SSHS-ISMP-NAF-UT-B29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441174
Prep Batch: 441196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		14900	8960		ug/Kg	☼	60	51 - 100
2,4-Dinitrophenol	ND		14900	5850		ug/Kg	☼	39	33 - 101
2,4-Dinitrotoluene	ND		7440	6260		ug/Kg	☼	84	54 - 104
2,6-Dinitrotoluene	ND		7440	5930		ug/Kg	☼	80	51 - 106
Di-n-octyl phthalate	ND		7440	5950		ug/Kg	☼	80	41 - 106
1,4-Dioxane	ND		7440	4590		ug/Kg	☼	62	25 - 125
Fluoranthene	ND		7440	5980		ug/Kg	☼	80	55 - 100
Fluorene	ND		7440	5850		ug/Kg	☼	79	52 - 100
Hexachlorobenzene	ND		7440	5630		ug/Kg	☼	76	49 - 100
Hexachlorobutadiene	ND		7440	5590		ug/Kg	☼	75	38 - 107
Hexachlorocyclopentadiene	ND	F1	7440	1930	F1	ug/Kg	☼	26	33 - 117
Hexachloroethane	ND		7440	4770		ug/Kg	☼	64	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7440	6170		ug/Kg	☼	83	51 - 103
Isophorone	ND		7440	5650		ug/Kg	☼	76	48 - 105
2-Methylnaphthalene	ND		7440	5590		ug/Kg	☼	75	53 - 100
2-Methylphenol	ND		7440	5800		ug/Kg	☼	78	50 - 101
Methylphenol, 3 & 4	ND		7440	5970		ug/Kg	☼	80	50 - 103
Naphthalene	ND		7440	5150		ug/Kg	☼	69	51 - 100
2-Nitroaniline	ND		7440	7150		ug/Kg	☼	96	42 - 123
3-Nitroaniline	ND		7440	5520		ug/Kg	☼	74	50 - 103
4-Nitroaniline	ND		7440	5580		ug/Kg	☼	75	52 - 103
Nitrobenzene	ND		7440	6040		ug/Kg	☼	81	44 - 108
2-Nitrophenol	ND		7440	5800		ug/Kg	☼	78	55 - 107
4-Nitrophenol	ND		14900	15000		ug/Kg	☼	101	30 - 134
N-Nitrosodi-n-propylamine	ND		7440	6550		ug/Kg	☼	88	45 - 107
N-Nitrosodiphenylamine	ND		7440	5570		ug/Kg	☼	75	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7440	5130		ug/Kg	☼	69	30 - 113
Pentachlorophenol	ND		14900	11000		ug/Kg	☼	74	42 - 110
Phenanthrene	ND		7440	5380		ug/Kg	☼	72	53 - 100
Phenol	ND		7440	5490		ug/Kg	☼	74	49 - 100
Pyrene	ND		7440	5640		ug/Kg	☼	76	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7440	5850		ug/Kg	☼	79	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7440	6100		ug/Kg	☼	82	47 - 104
2,4,5-Trichlorophenol	ND		7440	5990		ug/Kg	☼	81	50 - 104
2,4,6-Trichlorophenol	ND		7440	6190		ug/Kg	☼	83	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*44 - 105*
2-Fluorophenol (Surr)	*82*		*48 - 105*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*
Phenol-d5 (Surr)	*79*		*46 - 105*
Terphenyl-d14 (Surr)	*73*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159650-17 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-B29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441174
Prep Batch: 441196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7390	5830		ug/Kg	☼	79	50 - 100	7	20
Acenaphthylene	ND		7390	6550		ug/Kg	☼	89	52 - 100	9	20
Acetophenone	ND		7390	5480		ug/Kg	☼	74	48 - 100	12	17
Anthracene	ND		7390	6490		ug/Kg	☼	88	53 - 100	13	20
Atrazine	ND	F1	7390	1800	F1	ug/Kg	☼	24	49 - 103	12	19
Benzaldehyde	ND	F1	7390	841	F1	ug/Kg	☼	11	23 - 105	26	31
Benzo[a]anthracene	ND		7390	6810		ug/Kg	☼	92	51 - 100	11	21
Benzo[a]pyrene	ND		7390	6130		ug/Kg	☼	83	51 - 100	10	20
Benzo[b]fluoranthene	ND		7390	5590		ug/Kg	☼	76	48 - 100	10	20
Benzo[g,h,i]perylene	ND		7390	6620		ug/Kg	☼	90	48 - 105	12	19
Benzo[k]fluoranthene	ND		7390	5370		ug/Kg	☼	73	19 - 100	11	20
1,1'-Biphenyl	ND		7390	5960		ug/Kg	☼	81	50 - 100	9	19
Bis(2-chloroethoxy)methane	ND		7390	6260		ug/Kg	☼	85	49 - 100	10	20
Bis(2-chloroethyl)ether	ND		7390	5630		ug/Kg	☼	76	48 - 100	8	18
Bis(2-ethylhexyl) phthalate	ND		7390	7130		ug/Kg	☼	97	53 - 107	10	20
4-Bromophenyl phenyl ether	ND		7390	6780		ug/Kg	☼	92	52 - 101	13	20
Butyl benzyl phthalate	ND		7390	6960		ug/Kg	☼	94	52 - 107	12	19
Caprolactam	ND		7390	6060		ug/Kg	☼	82	48 - 111	9	23
Carbazole	ND		7390	6330		ug/Kg	☼	86	53 - 100	13	20
4-Chloroaniline	ND		7390	4540		ug/Kg	☼	61	47 - 100	10	20
4-Chloro-3-methylphenol	ND		7390	6850		ug/Kg	☼	93	49 - 106	10	20
2-Chloronaphthalene	ND		7390	5830		ug/Kg	☼	79	51 - 100	6	20
2-Chlorophenol	ND		7390	6010		ug/Kg	☼	81	51 - 100	12	17
4-Chlorophenyl phenyl ether	ND		7390	6620		ug/Kg	☼	90	52 - 100	8	19
Chrysene	ND		7390	6690		ug/Kg	☼	91	50 - 100	7	20
Dibenz(a,h)anthracene	ND		7390	6950		ug/Kg	☼	94	50 - 107	11	21
Dibenzofuran	ND		7390	6200		ug/Kg	☼	84	52 - 100	8	19
3,3'-Dichlorobenzidine	ND		7390	5250		ug/Kg	☼	71	43 - 100	10	19
2,4-Dichlorophenol	ND		7390	6510		ug/Kg	☼	88	53 - 101	9	22
Diethyl phthalate	ND		7390	6740		ug/Kg	☼	91	48 - 104	9	20
2,4-Dimethylphenol	ND		7390	5370		ug/Kg	☼	73	51 - 101	11	32
Dimethyl phthalate	ND		7390	6330		ug/Kg	☼	86	53 - 100	9	21
Di-n-butyl phthalate	ND		7390	7010		ug/Kg	☼	95	57 - 102	14	20
4,6-Dinitro-2-methylphenol	ND		14800	8910		ug/Kg	☼	60	51 - 100	1	22
2,4-Dinitrophenol	ND		14800	5570		ug/Kg	☼	38	33 - 101	5	20
2,4-Dinitrotoluene	ND		7390	6900		ug/Kg	☼	93	54 - 104	10	20
2,6-Dinitrotoluene	ND		7390	6670		ug/Kg	☼	90	51 - 106	12	20
Di-n-octyl phthalate	ND		7390	6470		ug/Kg	☼	88	41 - 106	8	18
1,4-Dioxane	ND		7390	4090		ug/Kg	☼	55	25 - 125	11	17
Fluoranthene	ND		7390	6750		ug/Kg	☼	91	55 - 100	12	20
Fluorene	ND		7390	6240		ug/Kg	☼	84	52 - 100	6	19
Hexachlorobenzene	ND		7390	6250		ug/Kg	☼	85	49 - 100	10	20
Hexachlorobutadiene	ND		7390	6060		ug/Kg	☼	82	38 - 107	8	22
Hexachlorocyclopentadiene	ND	F1	7390	1990	F1	ug/Kg	☼	27	33 - 117	3	19
Hexachloroethane	ND		7390	4860		ug/Kg	☼	66	47 - 100	2	17
Indeno[1,2,3-cd]pyrene	ND		7390	6700		ug/Kg	☼	91	51 - 103	8	19
Isophorone	ND		7390	6200		ug/Kg	☼	84	48 - 105	9	20
2-Methylnaphthalene	ND		7390	6110		ug/Kg	☼	83	53 - 100	9	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159650-17 MSD
Matrix: Solid
Analysis Batch: 441174

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7390	6250		ug/Kg	☼	85	50 - 101	7	17
Methylphenol, 3 & 4	ND		7390	6440		ug/Kg	☼	87	50 - 103	8	19
Naphthalene	ND		7390	5740		ug/Kg	☼	78	51 - 100	11	20
2-Nitroaniline	ND		7390	7690		ug/Kg	☼	104	42 - 123	7	19
3-Nitroaniline	ND		7390	6100		ug/Kg	☼	83	50 - 103	10	20
4-Nitroaniline	ND		7390	6120		ug/Kg	☼	83	52 - 103	9	18
Nitrobenzene	ND		7390	6660		ug/Kg	☼	90	44 - 108	10	21
2-Nitrophenol	ND		7390	6320		ug/Kg	☼	85	55 - 107	8	19
4-Nitrophenol	ND		14800	16000		ug/Kg	☼	108	30 - 134	7	18
N-Nitrosodi-n-propylamine	ND		7390	7270		ug/Kg	☼	98	45 - 107	10	18
N-Nitrosodiphenylamine	ND		7390	6340		ug/Kg	☼	86	52 - 100	13	20
2,2'-oxybis[1-chloropropane]	ND		7390	5520		ug/Kg	☼	75	30 - 113	7	17
Pentachlorophenol	ND		14800	12600		ug/Kg	☼	85	42 - 110	14	20
Phenanthrene	ND		7390	6050		ug/Kg	☼	82	53 - 100	12	20
Phenol	ND		7390	6060		ug/Kg	☼	82	49 - 100	10	16
Pyrene	ND		7390	6340		ug/Kg	☼	86	52 - 100	12	20
1,2,4,5-Tetrachlorobenzene	ND		7390	6400		ug/Kg	☼	87	41 - 104	9	21
2,3,4,6-Tetrachlorophenol	ND		7390	6650		ug/Kg	☼	90	47 - 104	9	18
2,4,5-Trichlorophenol	ND		7390	6670		ug/Kg	☼	90	50 - 104	11	21
2,4,6-Trichlorophenol	ND		7390	6640		ug/Kg	☼	90	50 - 105	7	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*
Phenol-d5 (Surr)	*85*		*46 - 105*
Terphenyl-d14 (Surr)	*76*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-441207/1-C
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1221	ND		17	5.9	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1232	ND		17	4.1	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1242	ND		17	2.4	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1248	ND		17	4.0	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1254	ND		17	5.0	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1260	ND		17	4.7	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1262	ND		17	5.9	ug/Kg		07/24/23 08:43	07/25/23 08:42	1
PCB-1268	ND		17	2.2	ug/Kg		07/24/23 08:43	07/25/23 08:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*137*		*63 - 138*	*07/24/23 08:43*	*07/25/23 08:42*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-441207/1-C
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441207

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	123		63 - 138	07/24/23 08:43	07/25/23 08:42	1
Tetrachloro-m-xylene (Surr)	105		55 - 135	07/24/23 08:43	07/25/23 08:42	1
Tetrachloro-m-xylene (Surr)	110		55 - 135	07/24/23 08:43	07/25/23 08:42	1

Lab Sample ID: LCS 180-441207/2-C
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441207

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1220		ug/Kg		91	43 - 136		
PCB-1260			1330	1260		ug/Kg		94	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	131		63 - 138
Tetrachloro-m-xylene (Surr)	105		55 - 135
Tetrachloro-m-xylene (Surr)	106		55 - 135

Lab Sample ID: 180-159650-17 MS
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1480	1460		ug/Kg	☼	99	43 - 136		
PCB-1260	ND		1480	1370		ug/Kg	☼	93	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	118		63 - 138
DCB Decachlorobiphenyl (Surr)	115		63 - 138
Tetrachloro-m-xylene (Surr)	109		55 - 135
Tetrachloro-m-xylene (Surr)	112		55 - 135

Lab Sample ID: 180-159650-17 MSD
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441207

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1500	1420		ug/Kg	☼	95	43 - 136	2	40
PCB-1260	ND		1500	1300		ug/Kg	☼	87	55 - 128	5	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	109		63 - 138
DCB Decachlorobiphenyl (Surr)	108		63 - 138
Tetrachloro-m-xylene (Surr)	106		55 - 135
Tetrachloro-m-xylene (Surr)	108		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-441085/1-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.8	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Antimony	ND		0.96	0.29	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Arsenic	ND		0.96	0.60	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Barium	ND		19	3.4	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Beryllium	ND		0.38	0.10	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Cadmium	ND		0.48	0.071	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Calcium	ND		480	62	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Chromium	ND		0.48	0.44	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Cobalt	ND		4.8	0.68	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Copper	ND		2.4	1.5	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Iron	ND		9.6	9.4	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Lead	ND		0.96	0.84	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Magnesium	ND		480	53	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Nickel	ND		3.8	0.48	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Potassium	ND		480	82	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Selenium	ND		0.96	0.44	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Silver	ND		0.48	0.10	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Thallium	ND		1.9	0.27	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Vanadium	ND		4.8	0.76	mg/Kg		07/21/23 12:55	07/24/23 18:36	1
Zinc	ND		1.9	1.4	mg/Kg		07/21/23 12:55	07/24/23 18:36	1

Lab Sample ID: MB 180-441085/1-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441085

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		1.4	0.27	mg/Kg		07/21/23 12:55	07/27/23 19:00	1
Sodium	ND		480	49	mg/Kg		07/21/23 12:55	07/27/23 19:00	1

Lab Sample ID: LCS 180-441085/2-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	481	490		mg/Kg		102	80 - 120
Antimony	24.0	25.3		mg/Kg		105	80 - 120
Arsenic	96.2	101		mg/Kg		105	80 - 120
Barium	96.2	99.1		mg/Kg		103	80 - 120
Beryllium	48.1	48.8		mg/Kg		101	80 - 120
Cadmium	48.1	47.6		mg/Kg		99	80 - 120
Calcium	2400	2380		mg/Kg		99	80 - 120
Chromium	48.1	49.5		mg/Kg		103	80 - 120
Cobalt	48.1	48.1		mg/Kg		100	80 - 120
Copper	48.1	49.9		mg/Kg		104	80 - 120
Iron	481	532		mg/Kg		111	80 - 120
Lead	48.1	48.6		mg/Kg		101	80 - 120
Magnesium	2400	2230		mg/Kg		93	80 - 120
Nickel	48.1	48.8		mg/Kg		102	80 - 120
Potassium	2400	2530		mg/Kg		105	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-441085/2-A
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	96.2	103		mg/Kg		107	80 - 120
Silver	24.0	23.7		mg/Kg		99	80 - 120
Thallium	96.2	95.4		mg/Kg		99	80 - 120
Vanadium	48.1	49.1		mg/Kg		102	80 - 120
Zinc	24.0	25.4		mg/Kg		106	80 - 120

Lab Sample ID: LCS 180-441085/2-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	48.1	46.9		mg/Kg		98	80 - 120
Sodium	2400	2470		mg/Kg		103	80 - 120

Lab Sample ID: 180-159650-17 MS
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	8800		550	10100	4	mg/Kg	☼	243	75 - 125
Antimony	ND	F1 F2	27.5	11.8	F1	mg/Kg	☼	43	75 - 125
Arsenic	9.4		110	114		mg/Kg	☼	95	75 - 125
Barium	44		110	146		mg/Kg	☼	93	75 - 125
Beryllium	0.44		55.0	50.7		mg/Kg	☼	91	75 - 125
Cadmium	0.81		55.0	50.2		mg/Kg	☼	90	75 - 125
Calcium	1400		2750	3780		mg/Kg	☼	85	75 - 125
Chromium	12		55.0	63.6		mg/Kg	☼	93	75 - 125
Cobalt	8.2		55.0	65.1		mg/Kg	☼	103	75 - 125
Copper	28		55.0	79.1		mg/Kg	☼	93	75 - 125
Iron	20000		550	19000	4	mg/Kg	☼	-207	75 - 125
Lead	11		55.0	68.7		mg/Kg	☼	105	75 - 125
Magnesium	2200		2750	4770		mg/Kg	☼	92	75 - 125
Nickel	22		55.0	81.0		mg/Kg	☼	107	75 - 125
Potassium	660		2750	3290		mg/Kg	☼	96	75 - 125
Selenium	ND		110	108		mg/Kg	☼	98	75 - 125
Silver	ND		27.5	25.8		mg/Kg	☼	94	75 - 125
Thallium	0.45	J	110	112		mg/Kg	☼	101	75 - 125
Vanadium	18		55.0	68.1		mg/Kg	☼	90	75 - 125
Zinc	69		27.5	94.2		mg/Kg	☼	92	75 - 125

Lab Sample ID: 180-159650-17 MS
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	400		55.0	461	4	mg/Kg	☼	105	75 - 125
Sodium	ND		2750	2700		mg/Kg	☼	98	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159650-17 MSD
Matrix: Solid
Analysis Batch: 441298

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	8800		520	10500	4	mg/Kg	☼	333	75 - 125	4	20
Antimony	ND	F1 F2	26.0	8.81	F1 F2	mg/Kg	☼	34	75 - 125	29	20
Arsenic	9.4		104	108		mg/Kg	☼	95	75 - 125	6	20
Barium	44		104	142		mg/Kg	☼	94	75 - 125	3	20
Beryllium	0.44		52.0	46.9		mg/Kg	☼	89	75 - 125	8	20
Cadmium	0.81		52.0	46.2		mg/Kg	☼	87	75 - 125	8	20
Calcium	1400		2600	3670		mg/Kg	☼	86	75 - 125	3	20
Chromium	12		52.0	59.7		mg/Kg	☼	91	75 - 125	6	20
Cobalt	8.2		52.0	61.0		mg/Kg	☼	102	75 - 125	6	20
Copper	28		52.0	77.2		mg/Kg	☼	95	75 - 125	3	20
Iron	20000		520	20300	4	mg/Kg	☼	36	75 - 125	7	20
Lead	11		52.0	65.0		mg/Kg	☼	104	75 - 125	6	20
Magnesium	2200		2600	4370		mg/Kg	☼	82	75 - 125	9	20
Nickel	22		52.0	77.1		mg/Kg	☼	105	75 - 125	5	20
Potassium	660		2600	3180		mg/Kg	☼	97	75 - 125	3	20
Selenium	ND		104	101		mg/Kg	☼	97	75 - 125	8	20
Silver	ND		26.0	23.3		mg/Kg	☼	90	75 - 125	10	20
Thallium	0.45	J	104	104		mg/Kg	☼	100	75 - 125	7	20
Vanadium	18		52.0	65.0		mg/Kg	☼	90	75 - 125	5	20
Zinc	69		26.0	98.3		mg/Kg	☼	113	75 - 125	4	20

Lab Sample ID: 180-159650-17 MSD
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-B29
Prep Type: Total/NA
Prep Batch: 441085

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	400		52.0	474	4	mg/Kg	☼	136	75 - 125	3	20
Sodium	ND		2600	2490		mg/Kg	☼	96	75 - 125	8	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-441093/1-A
Matrix: Solid
Analysis Batch: 441505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0247	J	0.033	0.021	mg/Kg		07/21/23 12:25	07/26/23 09:10	1

Lab Sample ID: LCS 180-441093/2-A
Matrix: Solid
Analysis Batch: 441505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441093

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.424		mg/Kg		102	80 - 120		

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-159650-17 MS
Client Sample ID: SSHS-ISMP-NAF-UT-B29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441505
Prep Batch: 441093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.028	J B	0.181	0.206		mg/Kg	☼	99	80 - 120

Lab Sample ID: 180-159650-17 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-B29
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441505
Prep Batch: 441093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.028	J B	0.168	0.195		mg/Kg	☼	100	80 - 120	5	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159650-1 DU
Client Sample ID: SSHS-ISMP-NAF-UT-S77
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441110

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.0		12.4		%		5	10
Percent Solids	87.0		87.6		%		0.7	10

Lab Sample ID: 180-159650-11 DU
Client Sample ID: SSHS-ISMP-NAF-DUP18A
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441110

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12.5		13.8		%		10	10
Percent Solids	87.5		86.2		%		2	10

GC/MS VOA

Analysis Batch: 441120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	EPA 8260C	441122
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	EPA 8260C	441122
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	EPA 8260C	441122
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	EPA 8260C	441122
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	EPA 8260C	441122
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	EPA 8260C	441122
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	EPA 8260C	441122
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	EPA 8260C	441122
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	EPA 8260C	441122
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	EPA 8260C	441122
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	EPA 8260C	441122
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	EPA 8260C	441122
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	EPA 8260C	441122
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	EPA 8260C	441122
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	EPA 8260C	441122
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	EPA 8260C	441122
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8260C	441122
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	EPA 8260C	441122
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	EPA 8260C	441122
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	EPA 8260C	441122
MB 180-441120/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-441120/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-441120/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8260C	441122
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8260C	441122

Prep Batch: 441122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	5035	
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	5035	
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	5035	
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	5035	
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	5035	
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	5035	
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	5035	
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	5035	
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	5035	
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	5035	
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	5035	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	5035	
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	5035	
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	5035	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	5035	
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	5035	
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	5035	
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	5035	
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	5035	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	5035	
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	5035	
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	5035	

GC/MS Semi VOA

Analysis Batch: 441174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	EPA 8270D	441196
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8270D	441196
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8270D	441196
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8270D	441196

Prep Batch: 441196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	3541	
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	3541	
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	3541	
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	3541	
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	3541	
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	3541	
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	3541	
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	3541	
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	3541	
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	3541	
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	3541	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	3541	
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	3541	
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	3541	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	3541	
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	3541	
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3541	
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	3541	
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	3541	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	3541	
MB 180-441196/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-441196/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3541	
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3541	

Analysis Batch: 441213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-441196/1-A	Method Blank	Total/NA	Solid	EPA 8270D	441196
LCS 180-441196/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	441196

Analysis Batch: 441263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	EPA 8270D	441196
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	EPA 8270D	441196
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	EPA 8270D	441196
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	EPA 8270D	441196
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	EPA 8270D	441196
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	EPA 8270D	441196
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	EPA 8270D	441196
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	EPA 8270D	441196
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	EPA 8270D	441196
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	EPA 8270D	441196
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	EPA 8270D	441196
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	EPA 8270D	441196

GC/MS Semi VOA (Continued)

Analysis Batch: 441263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	EPA 8270D	441196
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	EPA 8270D	441196
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	EPA 8270D	441196
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	EPA 8270D	441196
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	EPA 8270D	441196
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	EPA 8270D	441196

GC Semi VOA

Prep Batch: 441207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	3541	
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	3541	
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	3541	
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	3541	
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	3541	
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	3541	
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	3541	
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	3541	
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	3541	
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	3541	
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	3541	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	3541	
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	3541	
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	3541	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	3541	
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	3541	
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3541	
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	3541	
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	3541	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	3541	
MB 180-441207/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-441207/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3541	
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3541	

Cleanup Batch: 441266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	3665A	441207
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	3665A	441207
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	3665A	441207
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	3665A	441207
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	3665A	441207
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	3665A	441207
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	3665A	441207
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	3665A	441207
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	3665A	441207
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	3665A	441207
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	3665A	441207
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	3665A	441207
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	3665A	441207

GC Semi VOA (Continued)

Cleanup Batch: 441266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	3665A	441207
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	3665A	441207
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	3665A	441207
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3665A	441207
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	3665A	441207
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	3665A	441207
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	3665A	441207
MB 180-441207/1-C	Method Blank	Total/NA	Solid	3665A	441207
LCS 180-441207/2-C	Lab Control Sample	Total/NA	Solid	3665A	441207
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3665A	441207
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3665A	441207

Cleanup Batch: 441267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	3660B	441266
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	3660B	441266
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	3660B	441266
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	3660B	441266
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	3660B	441266
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	3660B	441266
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	3660B	441266
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	3660B	441266
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	3660B	441266
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	3660B	441266
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	3660B	441266
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	3660B	441266
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	3660B	441266
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	3660B	441266
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	3660B	441266
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	3660B	441266
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3660B	441266
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	3660B	441266
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	3660B	441266
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	3660B	441266
MB 180-441207/1-C	Method Blank	Total/NA	Solid	3660B	441266
LCS 180-441207/2-C	Lab Control Sample	Total/NA	Solid	3660B	441266
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3660B	441266
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3660B	441266

Analysis Batch: 441274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	EPA 8082A	441267
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	EPA 8082A	441267
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	EPA 8082A	441267
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	EPA 8082A	441267
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	EPA 8082A	441267
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	EPA 8082A	441267
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	EPA 8082A	441267
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	EPA 8082A	441267
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	EPA 8082A	441267
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	EPA 8082A	441267

GC Semi VOA (Continued)

Analysis Batch: 441274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	EPA 8082A	441267
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	EPA 8082A	441267
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	EPA 8082A	441267
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	EPA 8082A	441267
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	EPA 8082A	441267
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	EPA 8082A	441267
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8082A	441267
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	EPA 8082A	441267
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	EPA 8082A	441267
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	EPA 8082A	441267
MB 180-441207/1-C	Method Blank	Total/NA	Solid	EPA 8082A	441267
LCS 180-441207/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	441267
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8082A	441267
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 8082A	441267

Metals

Prep Batch: 441085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	3050B	
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	3050B	
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	3050B	
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	3050B	
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	3050B	
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	3050B	
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	3050B	
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	3050B	
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	3050B	
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	3050B	
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	3050B	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	3050B	
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	3050B	
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	3050B	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	3050B	
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	3050B	
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3050B	
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	3050B	
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	3050B	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	3050B	
MB 180-441085/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-441085/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3050B	
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	3050B	

Prep Batch: 441093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	7471B	
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	7471B	
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	7471B	
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	7471B	
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 441093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	7471B	
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	7471B	
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	7471B	
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	7471B	
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	7471B	
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	7471B	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	7471B	
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	7471B	
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	7471B	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	7471B	
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	7471B	
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	7471B	
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	7471B	
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	7471B	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	7471B	
MB 180-441093/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-441093/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	7471B	
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	7471B	

Analysis Batch: 441298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	EPA 6010C	441085
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	EPA 6010C	441085
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	EPA 6010C	441085
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	EPA 6010C	441085
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	EPA 6010C	441085
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	EPA 6010C	441085
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	EPA 6010C	441085
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	EPA 6010C	441085
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	EPA 6010C	441085
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	EPA 6010C	441085
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	EPA 6010C	441085
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	EPA 6010C	441085
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	EPA 6010C	441085
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	EPA 6010C	441085
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	EPA 6010C	441085
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	EPA 6010C	441085
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 6010C	441085
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	EPA 6010C	441085
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	EPA 6010C	441085
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	EPA 6010C	441085
MB 180-441085/1-A	Method Blank	Total/NA	Solid	EPA 6010C	441085
LCS 180-441085/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	441085
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 6010C	441085
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 6010C	441085

Analysis Batch: 441505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	EPA 7471B	441093
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	EPA 7471B	441093

Metals (Continued)

Analysis Batch: 441505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	EPA 7471B	441093
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	EPA 7471B	441093
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	EPA 7471B	441093
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	EPA 7471B	441093
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	EPA 7471B	441093
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	EPA 7471B	441093
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	EPA 7471B	441093
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	EPA 7471B	441093
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	EPA 7471B	441093
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	EPA 7471B	441093
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	EPA 7471B	441093
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	EPA 7471B	441093
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	EPA 7471B	441093
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	EPA 7471B	441093
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 7471B	441093
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	EPA 7471B	441093
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	EPA 7471B	441093
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	EPA 7471B	441093
MB 180-441093/1-A	Method Blank	Total/NA	Solid	EPA 7471B	441093
LCS 180-441093/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	441093
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 7471B	441093
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 7471B	441093

Analysis Batch: 441766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	EPA 6010C	441085
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	EPA 6010C	441085
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	EPA 6010C	441085
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	EPA 6010C	441085
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	EPA 6010C	441085
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	EPA 6010C	441085
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	EPA 6010C	441085
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	EPA 6010C	441085
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	EPA 6010C	441085
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	EPA 6010C	441085
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	EPA 6010C	441085
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	EPA 6010C	441085
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	EPA 6010C	441085
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	EPA 6010C	441085
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	EPA 6010C	441085
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	EPA 6010C	441085
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 6010C	441085
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	EPA 6010C	441085
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	EPA 6010C	441085
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	EPA 6010C	441085
MB 180-441085/1-A	Method Blank	Total/NA	Solid	EPA 6010C	441085
LCS 180-441085/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	441085
180-159650-17 MS	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 6010C	441085
180-159650-17 MSD	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	EPA 6010C	441085

General Chemistry

Analysis Batch: 441110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	2540G	
180-159650-2	SSHS-ISMP-NAF-UT-B24	Total/NA	Solid	2540G	
180-159650-3	SSHS-ISMP-NAF-UT-S78	Total/NA	Solid	2540G	
180-159650-4	SSHS-ISMP-NAF-UT-S79	Total/NA	Solid	2540G	
180-159650-5	SSHS-ISMP-NAF-UT-S80	Total/NA	Solid	2540G	
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	2540G	
180-159650-7	SSHS-ISMP-NAF-UT-S82	Total/NA	Solid	2540G	
180-159650-8	SSHS-ISMP-NAF-UT-S83	Total/NA	Solid	2540G	
180-159650-9	SSHS-ISMP-NAF-UT-B25	Total/NA	Solid	2540G	
180-159650-10	SSHS-ISMP-NAF-UT-B26	Total/NA	Solid	2540G	
180-159650-11	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	2540G	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	2540G	
180-159650-13	SSHS-ISMP-NAF-UT-S84	Total/NA	Solid	2540G	
180-159650-14	SSHS-ISMP-NAF-UT-S85	Total/NA	Solid	2540G	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	2540G	
180-159650-16	SSHS-ISMP-NAF-UT-B28	Total/NA	Solid	2540G	
180-159650-17	SSHS-ISMP-NAF-UT-B29	Total/NA	Solid	2540G	
180-159650-18	SSHS-ISMP-NAF-UT-B30	Total/NA	Solid	2540G	
180-159650-19	SSHS-ISMP-NAF-DUP19A	Total/NA	Solid	2540G	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	2540G	
180-159650-1 DU	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	2540G	
180-159650-11 DU	SSHS-ISMP-NAF-DUP18A	Total/NA	Solid	2540G	

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Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S77	7/20/23	1245	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-B24	7/20/23	1250	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S78	7/20/23	1255	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S79	7/20/23	1300	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S80	7/20/23	1305	G	S	N	N	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S81	7/20/23	1310	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S82	7/20/23	1315	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S83	7/20/23	1320	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B25	7/20/23	1325	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B26	7/20/23	1330	G	S	N	N	X	X	X	X									8	
SSHS-ISMP-NAF-DUP18A	7/20/23	--	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B27	7/20/23	1335	G	S	N	N	X	X	X	X	X	X							8	

180-159650 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	7/20/23 1800	Geosyntec		7/21/23 09:18	Eurofins
Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM.	Carrier Tracking No(s)	COC No.
	M Stelmach	Dunlap, David A		180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S84	7/20/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S85	7/20/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S86	7/20/23	1350	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B28	7/20/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B29	7/20/23	1400	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-B30	7/20/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP19A	7/20/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B31	7/20/23	1410	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by: Miranda Schuda	7/20/23/1800	Geosyntec		7/21/23 09:18	ESTA PDX
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-159650 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S77	7/20/23	1245	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B24	7/20/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S78	7/20/23	1255	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S79	7/20/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S80	7/20/23	1305	G	S	N	N	X	X	X	X			8	
SSHS-ISMP-NAF-UT-S81	7/20/23	1310	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S82	7/20/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S83	7/20/23	1320	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B25	7/20/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B26	7/20/23	1330	G	S	N	N	X	X	X	X			8	
SSHS-ISMP-NAF-DUP18A	7/20/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B27	7/20/23	1335	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Aiken	7/20/23 1800	Company: Geosyntec		7/21/23 920	Company
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9

Ver 01/16/2019

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7/27/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			**Preservation Codes:** A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S84	7/20/23	1340	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S85	7/20/23	1345	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S86	7/20/23	1350	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-B28	7/20/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B29	7/20/23	1400	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-UT-B30	7/20/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP19A	7/20/23	–	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B31	7/20/23	1410	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Miranda Ashlee	Date/Time: 7/20/23 1800	Company: Geosyntec	Received by:	Date/Time: 7/21/23 930	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

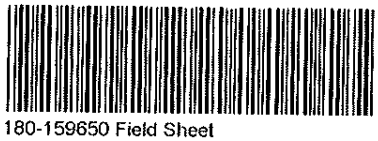
Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.9

Ver: 01/16/2019

7/24/2023

eurofins | Environment Testing America

Sacramento
Sample Receiving Notes


180-159650 Field Sheet

Tracking # 7727 3629 5276

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Job _____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L10 Corr Factor (+ / -) _____ °C

Ice ~ Wet _____ Gel _____ Other _____

Cooler Custody Seal ~

Cooler ID _____

Temp Observed 3.9 °C Corrected 3.9 °C

From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials JF Date 7/21/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SP Date 7 21 23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials SP Date 7 21 23

WR333A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159650-1

Login Number: 159650
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/28/2023 10:23:34 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159650-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
7/28/2023 10:23:34 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Receipt Checklists 27

Job ID: 180-159650-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159650-2

Receipt
The samples were received on 7/21/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.5º C, 3.1º C, 3.9º C and 4.7º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: SSHS-ISMP-NAF-UT-B31 (180-159650-20). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-694021 recovered above the upper control limit for Perfluorobutanesulfonic acid (PFBS). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159650-1	SSHS-ISMP-NAF-UT-S77	Solid	07/20/23 12:45	07/21/23 09:18
180-159650-6	SSHS-ISMP-NAF-UT-S81	Solid	07/20/23 13:10	07/21/23 09:18
180-159650-12	SSHS-ISMP-NAF-UT-B27	Solid	07/20/23 13:35	07/21/23 09:18
180-159650-15	SSHS-ISMP-NAF-UT-S86	Solid	07/20/23 13:50	07/21/23 09:18
180-159650-20	SSHS-ISMP-NAF-UT-B31	Solid	07/20/23 14:10	07/21/23 09:18

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	693833	07/25/23 19:14	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	694021	07/26/23 17:32	K1S	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	693833	07/25/23 19:14	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	694021	07/26/23 18:03	K1S	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12
Date Collected: 07/20/23 13:35
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.54 g	10.0 mL	693833	07/25/23 19:14	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	694021	07/26/23 18:13	K1S	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.51 g	10.0 mL	693833	07/25/23 19:14	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	694021	07/26/23 18:23	K1S	EET SAC
	Instrument ID: A25									

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20
Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	693833	07/25/23 19:14	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	694021	07/26/23 18:33	K1S	EET SAC
	Instrument ID: A25									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Lab Sample ID: 180-159650-1
Date Collected: 07/20/23 12:45
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 87.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.26**		0.22	0.050	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluoropentanoic acid (PFPeA)	**0.071**	**J**	0.22	0.045	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorohexanoic acid (PFHxA)	**0.091**	**J**	0.22	0.034	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluoroheptanoic acid (PFHpA)	**0.067**	**J**	0.22	0.041	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorooctanoic acid (PFOA)	**0.37**		0.22	0.058	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorononanoic acid (PFNA)	**0.046**	**J**	0.22	0.024	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorooctanesulfonic acid (PFOS)	**0.64**		0.22	0.047	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/25/23 19:14	07/26/23 17:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C5 PFPeA	*91*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C2 PFHxA	*92*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C4 PFHpA	*91*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C5 PFNA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C2 PFDA	*92*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C2 PFUnA	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C2 PFDoA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C3 PFBS	*81*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
18O2 PFHxS	*81*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C4 PFOS	*85*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
13C8 FOSA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:32*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S81
Lab Sample ID: 180-159650-6
Date Collected: 07/20/23 13:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 88.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	07/25/23 19:14	07/26/23 18:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C5 PFPeA	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C2 PFHxA	*92*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C4 PFHpA	*91*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C4 PFOA	*84*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C5 PFNA	*85*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C2 PFDA	*84*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C2 PFUnA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C2 PFDoA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C3 PFBS	*78*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
18O2 PFHxS	*80*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C4 PFOS	*87*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
13C8 FOSA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:03*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B27
Lab Sample ID: 180-159650-12

Date Collected: 07/20/23 13:35
Matrix: Solid

Date Received: 07/21/23 09:18
Percent Solids: 88.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	07/25/23 19:14	07/26/23 18:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C5 PFPeA	*84*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C4 PFHpA	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C5 PFNA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C2 PFDA	*87*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C2 PFUnA	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C2 PFDoA	*86*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C3 PFBS	*77*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
18O2 PFHxS	*75*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C4 PFOS	*85*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
13C8 FOSA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*
M2-8:2 FTS	*69*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:13*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S86
Lab Sample ID: 180-159650-15
Date Collected: 07/20/23 13:50
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 94.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.048**	**J**	0.19	0.044	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluoropentanoic acid (PFPeA)	**0.071**	**J**	0.19	0.040	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.042	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	07/25/23 19:14	07/26/23 18:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C5 PFPeA	*82*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C2 PFHxA	*78*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C4 PFHpA	*72*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C4 PFOA	*77*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C5 PFNA	*101*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C2 PFDA	*80*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C2 PFUnA	*73*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C2 PFDoA	*65*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C3 PFBS	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
18O2 PFHxS	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C4 PFOS	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
13C8 FOSA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
d3-NMeFOSAA	*67*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
d5-NEtFOSAA	*61*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
M2-6:2 FTS	*74*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:23*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B31
Lab Sample ID: 180-159650-20
Date Collected: 07/20/23 14:10
Matrix: Solid
Date Received: 07/21/23 09:18
Percent Solids: 92.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.13**	**J**	0.21	0.047	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluoropentanoic acid (PFPeA)	**0.21**		0.21	0.042	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.049	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.050	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.044	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.049	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	07/25/23 19:14	07/26/23 18:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C5 PFPeA	*67*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C2 PFHxA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C4 PFHpA	*85*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C5 PFNA	*129*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C2 PFDA	*97*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C2 PFUnA	*73*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C2 PFDoA	*58*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C2 PFTeDA	*60*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C3 PFBS	*97*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
18O2 PFHxS	*113*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C4 PFOS	*121*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
13C8 FOSA	*101*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
d3-NMeFOSAA	*65*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
d5-NEtFOSAA	*54*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*
M2-8:2 FTS	*161*	**5+*	*25 - 150*	*07/25/23 19:14*	*07/26/23 18:33*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-693833/1-A
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/25/23 19:14	07/26/23 17:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C5 PFPeA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C4 PFOA	*91*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C5 PFNA	*92*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFDoA	*94*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C3 PFBS	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
18O2 PFHxS	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C4 PFOS	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C8 FOSA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
M2-6:2 FTS	*74*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693833/2-A
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.13		ug/Kg		107	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.07		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.06		ug/Kg		103	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.09		ug/Kg		104	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.98		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.05		ug/Kg		103	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.94		ug/Kg		97	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.05		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.68		ug/Kg		84	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.86		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.77		ug/Kg		100	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.83		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.79		ug/Kg		94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83		ug/Kg		99	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.83		ug/Kg		95	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.07		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.84		ug/Kg		92	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.13		ug/Kg		112	73 - 139
8:2 FTS	1.92	1.83		ug/Kg		96	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*73*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*105*		*25 - 150*
13C4 PFHpA	*99*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*103*		*25 - 150*
13C2 PFDoA	*105*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*99*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*100*		*25 - 150*
d3-NMeFOSAA	*116*		*25 - 150*
d5-NEtFOSAA	*108*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693833/2-A
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693833

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*85*		*25 - 150*
M2-8:2 FTS	*96*		*25 - 150*

Lab Sample ID: 180-159650-1 MS
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Prep Type: Total/NA
Prep Batch: 693833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.26		2.07	2.35		ug/Kg	☼	101	76 - 136
Perfluoropentanoic acid (PFPeA)	0.071	J	2.07	2.02		ug/Kg	☼	94	69 - 129
Perfluorohexanoic acid (PFHxA)	0.091	J	2.07	2.10		ug/Kg	☼	97	71 - 131
Perfluoroheptanoic acid (PFHpA)	0.067	J	2.07	2.15		ug/Kg	☼	101	71 - 131
Perfluorooctanoic acid (PFOA)	0.37		2.07	2.35		ug/Kg	☼	96	72 - 132
Perfluorononanoic acid (PFNA)	0.046	J	2.07	2.23		ug/Kg	☼	106	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.07	2.00		ug/Kg	☼	97	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.07	2.31		ug/Kg	☼	112	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.07	1.99		ug/Kg	☼	96	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.07	1.94		ug/Kg	☼	94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.07	1.88		ug/Kg	☼	91	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.84	1.92		ug/Kg	☼	104	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.89	1.95		ug/Kg	☼	104	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.97	1.84		ug/Kg	☼	93	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.64		1.92	2.61		ug/Kg	☼	102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.99	1.89		ug/Kg	☼	95	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.07	2.01		ug/Kg	☼	97	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.07	2.03		ug/Kg	☼	98	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.07	2.18		ug/Kg	☼	106	72 - 132
6:2 FTS	ND		1.97	1.99		ug/Kg	☼	101	73 - 139
8:2 FTS	ND		1.98	2.12		ug/Kg	☼	107	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*89*		*25 - 150*
13C5 PFPeA	*97*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*94*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159650-1 MS
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Prep Type: Total/NA
Prep Batch: 693833

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	83		25 - 150
13C3 PFBS	83		25 - 150
18O2 PFHxS	82		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	94		25 - 150
d3-NMeFOSAA	93		25 - 150
d5-NEtFOSAA	90		25 - 150
M2-6:2 FTS	71		25 - 150
M2-8:2 FTS	67		25 - 150

Lab Sample ID: 180-159650-1 MSD
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Prep Type: Total/NA
Prep Batch: 693833

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.26		2.16	2.44		ug/Kg	☼	101	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	0.071	J	2.16	2.12		ug/Kg	☼	95	69 - 129	5	30
Perfluorohexanoic acid (PFHxA)	0.091	J	2.16	2.38		ug/Kg	☼	106	71 - 131	13	30
Perfluoroheptanoic acid (PFHpA)	0.067	J	2.16	2.12		ug/Kg	☼	95	71 - 131	1	30
Perfluorooctanoic acid (PFOA)	0.37		2.16	2.51		ug/Kg	☼	99	72 - 132	7	30
Perfluorononanoic acid (PFNA)	0.046	J	2.16	2.40		ug/Kg	☼	109	73 - 133	7	30
Perfluorodecanoic acid (PFDA)	ND		2.16	2.25		ug/Kg	☼	104	72 - 132	12	30
Perfluoroundecanoic acid (PFUnA)	ND		2.16	2.47		ug/Kg	☼	115	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		2.16	2.30		ug/Kg	☼	107	71 - 131	14	30
Perfluorotridecanoic acid (PFTriA)	ND		2.16	2.10		ug/Kg	☼	97	71 - 131	8	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.16	2.03		ug/Kg	☼	94	67 - 127	7	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.91	2.01		ug/Kg	☼	105	69 - 129	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.97	2.04		ug/Kg	☼	104	62 - 122	5	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.06	2.00		ug/Kg	☼	97	76 - 136	8	30
Perfluorooctanesulfonic acid (PFOS)	0.64		2.01	2.77		ug/Kg	☼	106	68 - 141	6	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.08	2.13		ug/Kg	☼	102	71 - 131	12	30
Perfluorooctanesulfonamide (FOSA)	ND		2.16	2.25		ug/Kg	☼	104	77 - 137	11	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.16	2.16		ug/Kg	☼	100	72 - 132	6	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.16	2.42		ug/Kg	☼	112	72 - 132	10	30
6:2 FTS	ND		2.05	2.07		ug/Kg	☼	101	73 - 139	4	30
8:2 FTS	ND		2.07	2.09		ug/Kg	☼	101	75 - 135	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	85		25 - 150
13C5 PFPeA	89		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159650-1 MSD
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: SSHS-ISMP-NAF-UT-S77
Prep Type: Total/NA
Prep Batch: 693833

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	88		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	86		25 - 150
13C5 PFNA	86		25 - 150
13C2 PFDA	84		25 - 150
13C2 PFUnA	86		25 - 150
13C2 PFDoA	84		25 - 150
13C2 PFTeDA	82		25 - 150
13C3 PFBS	72		25 - 150
18O2 PFHxS	74		25 - 150
13C4 PFOS	78		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	86		25 - 150
M2-6:2 FTS	69		25 - 150
M2-8:2 FTS	67		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159650-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 693833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	SHAKE	
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	SHAKE	
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	SHAKE	
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	SHAKE	
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	SHAKE	
MB 320-693833/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-693833/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-159650-1 MS	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	SHAKE	
180-159650-1 MSD	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	SHAKE	

Analysis Batch: 694021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159650-1	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	537 (modified)	693833
180-159650-6	SSHS-ISMP-NAF-UT-S81	Total/NA	Solid	537 (modified)	693833
180-159650-12	SSHS-ISMP-NAF-UT-B27	Total/NA	Solid	537 (modified)	693833
180-159650-15	SSHS-ISMP-NAF-UT-S86	Total/NA	Solid	537 (modified)	693833
180-159650-20	SSHS-ISMP-NAF-UT-B31	Total/NA	Solid	537 (modified)	693833
MB 320-693833/1-A	Method Blank	Total/NA	Solid	537 (modified)	693833
LCS 320-693833/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	693833
180-159650-1 MS	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	537 (modified)	693833
180-159650-1 MSD	SSHS-ISMP-NAF-UT-S77	Total/NA	Solid	537 (modified)	693833

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No. 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S77	7/20/23	1245	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-B24	7/20/23	1250	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S78	7/20/23	1255	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S79	7/20/23	1300	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S80	7/20/23	1305	G	S	N	N	X	X	X	X									8	
SSHS-ISMP-NAF-UT-S81	7/20/23	1310	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-S82	7/20/23	1315	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S83	7/20/23	1320	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B25	7/20/23	1325	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B26	7/20/23	1330	G	S	N	N	X	X	X	X									8	
SSHS-ISMP-NAF-DUP18A	7/20/23	–	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B27	7/20/23	1335	G	S	N	N	X	X	X	X	X	X							8	

180-159650 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	7/20/23 1800	Geosyntec		7/21/23 09:18	Eurofins
Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler	Lab PM.	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	M Stelmach	Dunlap, David A		180-45857-9656.1
	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address:	Due Date Requested:
10211 Wincopin Circle 4th Floor	
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S84	7/20/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S85	7/20/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S86	7/20/23	1350	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B28	7/20/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B29	7/20/23	1400	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-UT-B30	7/20/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-DUP19A	7/20/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B31	7/20/23	1410	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company
Miraide Acheda	7/20/23/1800	Geosyntec		7/21/23 09:18	ESS Pak
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-159650 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S77	7/20/23	1245	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-B24	7/20/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S78	7/20/23	1255	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S79	7/20/23	1300	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S80	7/20/23	1305	G	S	N	N	X	X	X	X			8	
SSHS-ISMP-NAF-UT-S81	7/20/23	1310	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S82	7/20/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S83	7/20/23	1320	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B25	7/20/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B26	7/20/23	1330	G	S	N	N	X	X	X	X			8	
SSHS-ISMP-NAF-DUP18A	7/20/23	–	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B27	7/20/23	1335	G	S	N	N	X	X	X	X	X	X	8	

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☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Miranda Aiken	7/20/23 1800	Company: Geosyntec		7/21/23 920	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
7/20/2023	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: 3.9

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.		**Analysis Requested**		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			**Preservation Codes:** A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-UT-S84	7/20/23	1340	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S85	7/20/23	1345	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-S86	7/20/23	1350	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-UT-B28	7/20/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B29	7/20/23	1400	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-UT-B30	7/20/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-DUP19A	7/20/23	–	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-UT-B31	7/20/23	1410	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Ashlee	Date/Time: 7/20(23)1800	Company: Geosyntec	Received by:	Date/Time: 7/21/23 930	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.9

Ver: 01/16/2019

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7/28/2023

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Sacramento Sample Receiving Notes


180-159650 Field Sheet

Tracking # 7727 3629 5276

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L10 Corr Factor (+ / -) _____ °C

Ice ~ Wet _____ Gel _____ Other _____

Cooler Custody Seal ~

Cooler ID _____

Temp Observed 3.9 °C Corrected 3.9 °C

From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials JF Date 7/21/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SP Date 7 21 23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials SP Date 7 21 23

WR333A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159650-2

Login Number: 159650
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159650-2

Login Number: 159650
List Number: 2
Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento
List Creation: 07/21/23 03:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/28/2023 10:27:46 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159726-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-159726-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159726-2

Receipt
The samples were received on 7/22/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7º C and 5.1º C.

LCMS
Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-694021 recovered above the upper control limit for Perfluorobutanesulfonic acid (PFBS). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159726-4	SSHS-ISMP-NAF-UT-B32	Solid	07/21/23 15:25	07/22/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4

Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.13 g	10.0 mL	693833	07/25/23 19:14	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	694021	07/26/23 18:44	K1S	EET SAC
	Instrument ID: A25									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4

Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.052	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.035	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.043	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.060	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.034	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.024	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.042	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.043	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.033	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	07/25/23 19:14	07/26/23 18:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C5 PFPeA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C2 PFHxA	*89*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C4 PFHpA	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C5 PFNA	*100*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C2 PFDA	*98*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C2 PFUnA	*92*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C3 PFBS	*77*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
18O2 PFHxS	*80*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C4 PFOS	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
13C8 FOSA	*100*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
M2-6:2 FTS	*62*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*07/25/23 19:14*	*07/26/23 18:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-693833/1-A
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
6:2 FTS	ND		0.20	0.027	ug/Kg		07/25/23 19:14	07/26/23 17:11	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/25/23 19:14	07/26/23 17:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C5 PFPeA	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C4 PFOA	*91*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C5 PFNA	*92*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFDoA	*94*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C3 PFBS	*93*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
18O2 PFHxS	*90*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C4 PFOS	*95*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
13C8 FOSA	*96*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
M2-6:2 FTS	*74*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*07/25/23 19:14*	*07/26/23 17:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693833/2-A
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.13		ug/Kg		107	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.07		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.06		ug/Kg		103	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.09		ug/Kg		104	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.98		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.05		ug/Kg		103	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.94		ug/Kg		97	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.05		ug/Kg		102	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.68		ug/Kg		84	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.86		ug/Kg		93	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.77		ug/Kg		100	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.83		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.79		ug/Kg		94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83		ug/Kg		99	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.83		ug/Kg		95	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.07		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.84		ug/Kg		92	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.13		ug/Kg		112	73 - 139
8:2 FTS	1.92	1.83		ug/Kg		96	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*73*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*105*		*25 - 150*
13C4 PFHpA	*99*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*103*		*25 - 150*
13C2 PFDoA	*105*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*99*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*100*		*25 - 150*
d3-NMeFOSAA	*116*		*25 - 150*
d5-NEtFOSAA	*108*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693833/2-A
Matrix: Solid
Analysis Batch: 694021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693833

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 693833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	SHAKE	
MB 320-693833/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-693833/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 694021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	537 (modified)	693833
MB 320-693833/1-A	Method Blank	Total/NA	Solid	537 (modified)	693833
LCS 320-693833/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	693833

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S87	7/21/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-DUP20A	7/21/23	-	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S88	7/21/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B32	7/21/23	1525	G	S	N	N	X	X	X	X	X	X	8	

180-159726 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Zach Miller	Date/Time: 7/21/23 16:30	Company: Geosyntec	Received by:	Date/Time: 7/22/23 0930	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

7/28/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

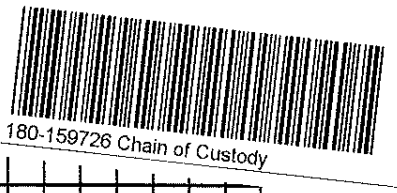
Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N										
SSHS-ISMP-NAF-UT-S87	7/21/23	1515	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-DUP20A	7/21/23		G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-S88	7/21/23	1520	G	S	N	N	X	X	X	X											6	
SSHS-ISMP-NAF-UT-B32	7/21/23	1525	G	S	N	N	X	X	X	X	X	X									8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	7/21/23 1630	Geosyntec		7/22/23 0900	FEDEX
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 5.1

Cooler Temperature(s) °C and Other Remarks: 5.1v

Ver: 01/16/2019

7/28/2023

eurofins | Environment Testing America

Sacramento Sample Receiving Notes

180-159726 Field Sheet

Tracking # 7727 3631 4805

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations. File in the job folder with the COC

Therm ID 202 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 22123 18

Cooler ID _____

Temp Observed 5.1 °C Corrected 5.1 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JW Date 7/22/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☐	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☒ SU 7/22/23
Zero headspace?*	☒	☐	☐ SU 7/22/23
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☐
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials JG Date 7/22/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
NCM Filed?	☐	☒	☐
Log Release checked in TALS?	☐	☐	☒

Initials JG Date 7/22/23



ORIGIN ID:ELMA (240) 939-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET

ELMIRA, NY 14904
UNITED STATES US

TO TESTAMERICA LAB

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV: 02
PO: 01
REF: MN0832L
DEPT: 1751

583JA6AE4/9AE3

FedEx Express

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7727 3631 4805

95605
CA-US SMF

X0 BLUA

B
1
12.00
4805
07.22

145

Custody Seal 7/21/23
DATE
SIGNATURE

eurofins | Environment Testing TestAmerica

2212318

eurofins | Environment Testing TestAmerica

2212318

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159726-2

Login Number: 159726
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 7/31/2023 1:35:18 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159816-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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7/31/2023 1:35:18 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159816-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159816-1

Comments
Notation was made to the COC regarding a change to a sample ID.

Receipt
The samples were received on 7/26/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 3.3º C and 5.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-441120 was above criteria for the following analytes: Acetone and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-441697 was below criteria for the following analyte: Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-B33 (180-159816-8) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441661 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441737 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Samples SSHS-ISMP-NAF-UT-S90 (180-159816-2) and SSHS-ISMP-NAF-DUP21A (180-159816-6) had the recovery of surrogate tetrachloro-m-xylene above the control limits on column RTX-CLP2. The recovery on column RTX-CLP1 and the recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The laboratory control sample (LCS 180-441600/2-C) had the recoveries of surrogate tetrachloro-m-xylene above the control limits on both columns. The recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-441735 (CCV 180-441735/1) was above criteria for aroclor 1221 on both columns. As the CCV was high and aroclor 1221 was not detected in the associated samples, the results were reported.

Method 8082A: The continuing calibration verifications (CCV) analyzed in batch 180-359667 (CCVIS 180-441735/5 and CCVIS 180-441735/27) were above criteria for aroclor 1016 and surrogate tetrachloro-m-xylene on both columns. As the CCV was high and aroclor 1016 was not detected in the associated samples, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-159816-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Metals

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-B33 (180-159816-8) had the recoveries of antimony, magnesium, and zinc below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample were within the control limits.

Method 7471B: Samples SSHS-ISMP-NAF-UT-S89 (180-159816-1) and SSHS-ISMP-NAF-UT-B33 (180-159816-8[MSD]) were miss-scanned into the mercury run sequence and weren't corrected until after the data had been uploaded and processed. The sample IDs on the raw data pages are slightly incorrect. The matrix spike duplicate of SSHS-ISMP-NAF-UT-B33 (180-159816-8) was analyzed at 09:21 and SSHS-ISMP-NAF-UT-S89 (180-159816-1) was analyzed at 09:22.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159816-1	SSHS-ISMP-NAF-UT-S89	Solid	07/25/23 14:00	07/26/23 09:47
180-159816-2	SSHS-ISMP-NAF-UT-S90	Solid	07/25/23 14:05	07/26/23 09:47
180-159816-3	SSHS-ISMP-NAF-UT-S91	Solid	07/25/23 14:10	07/26/23 09:47
180-159816-4	SSHS-ISMP-NAF-UT-S92	Solid	07/25/23 14:15	07/26/23 09:47
180-159816-5	SSHS-ISMP-NAF-UT-S93	Solid	07/25/23 14:20	07/26/23 09:47
180-159816-6	SSHS-ISMP-NAF-DUP21A	Solid	07/25/23 00:00	07/26/23 09:47
180-159816-7	SSHS-ISMP-NAF-UT-S94	Solid	07/25/23 14:25	07/26/23 09:47
180-159816-8	SSHS-ISMP-NAF-UT-B33	Solid	07/25/23 14:30	07/26/23 09:47
180-159816-9	SSHS-ISMP-NAF-UT-B34	Solid	07/25/23 14:35	07/26/23 09:47

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3329 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 20:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 08:12	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.4 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 13:30	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.71 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 17:33	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:22	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2
Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2
Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 21:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 08:34	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2
Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 14:23	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 17:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:23	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3
Date Collected: 07/25/23 14:10
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3
Date Collected: 07/25/23 14:10
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 21:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 10:48	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 14:41	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 17:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:28	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4
Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4
Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3279 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 21:46	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 09:18	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 14:59	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.68 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 17:59	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:29	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5
Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5
Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2237 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 22:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 09:41	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5
Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 15:16	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.82 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 18:04	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:30	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0305 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 22:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441661	07/27/23 21:59	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 15:34	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.75 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 18:09	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:34	RJR	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7
Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7
Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0336 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 22:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 10:03	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 15:52	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.72 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 18:14	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:35	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8
Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8
Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2236 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 18:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 07:50	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8
Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 12:37	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.78 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 17:09	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:19	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9
Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441519	07/26/23 12:48	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9
Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1198 g	5 mL	441719	07/27/23 14:03	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441697	07/27/23 23:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441601	07/27/23 07:45	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441737	07/28/23 10:25	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	441600	07/27/23 07:32	MEG	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441684	07/27/23 13:32	SMW	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441685	07/27/23 13:34	SMW	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	441735	07/28/23 16:09	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.80 g	50 mL	441504	07/26/23 12:30	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 18:19	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	441503	07/26/23 10:56	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441653	07/27/23 09:36	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

SMW = Shelby Walters

Batch Type: Prep

MEG = Megan Gray
PJJ = Patrick Journet
RJR = Ron Rosenbaum
S1Z = Sage Ziviello

Batch Type: Analysis

AAS = Ariana Swick
CMC = Candace California
JMO = John Oravec
PJJ = Patrick Journet
RJR = Ron Rosenbaum
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/27/23 14:03	07/27/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*	*07/27/23 14:03*	*07/27/23 20:38*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*07/27/23 14:03*	*07/27/23 20:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*	*07/27/23 14:03*	*07/27/23 20:38*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*07/27/23 14:03*	*07/27/23 20:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Acetophenone	ND		770	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Anthracene	ND		77	20	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Atrazine	ND		770	170	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Benzaldehyde	ND		770	48	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Benzo[a]anthracene	ND		77	35	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Benzo[g,h,i]perylene	ND		77	17	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Carbazole	ND		77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Chrysene	ND		77	43	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Fluoranthene	ND		77	20	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Fluorene	ND		77	15	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Hexachlorobenzene	ND		77	28	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Hexachloroethane	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Isophorone	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Naphthalene	ND		77	15	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Phenanthrene	ND		77	21	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Phenol	ND		380	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
Pyrene	ND		77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*07/27/23 07:45*	*07/28/23 08:12*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/27/23 07:45*	*07/28/23 08:12*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/27/23 07:45*	*07/28/23 08:12*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*07/27/23 07:45*	*07/28/23 08:12*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*07/27/23 07:45*	*07/28/23 08:12*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*34 - 108*	*07/27/23 07:45*	*07/28/23 08:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		19	6.6	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/27/23 07:32	07/28/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*07/27/23 07:32*	*07/28/23 13:30*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*07/27/23 07:32*	*07/28/23 13:30*	*1*
Tetrachloro-m-xylene (Surr)	*130*		*55 - 135*	*07/27/23 07:32*	*07/28/23 13:30*	*1*
Tetrachloro-m-xylene (Surr)	*133*		*55 - 135*	*07/27/23 07:32*	*07/28/23 13:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		16	4.1	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Antimony	ND		0.82	0.25	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Arsenic	**8.7**		0.82	0.51	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Barium	**44**		16	2.9	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Beryllium	**0.48**		0.33	0.089	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Cadmium	**0.60**		0.41	0.060	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Calcium	**910**		410	53	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Chromium	**13**		0.41	0.37	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Cobalt	**8.5**		4.1	0.57	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Copper	**19**		2.0	1.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Iron	**21000**		8.2	8.0	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Lead	**8.9**		0.82	0.71	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Magnesium	**2900**		410	45	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Manganese	**280**		1.2	0.23	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Nickel	**19**		3.3	0.41	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Potassium	**490**		410	69	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Selenium	ND		0.82	0.38	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Silver	ND		0.41	0.085	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Sodium	ND		410	42	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Vanadium	**17**		4.1	0.65	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1
Zinc	**53**		1.6	1.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	07/26/23 10:56	07/27/23 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.7**		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	**86.3**		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2
Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Benzene	ND		5.2	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2
Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.2	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Chloromethane	ND		5.2	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,4-Dichlorobenzene	ND		5.2	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Styrene	ND		5.2	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Toluene	ND		5.2	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2

Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*07/27/23 14:03*	*07/27/23 21:01*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/27/23 14:03*	*07/27/23 21:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*	*07/27/23 14:03*	*07/27/23 21:01*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/27/23 14:03*	*07/27/23 21:01*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Acetophenone	ND		750	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Anthracene	ND		75	19	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Atrazine	ND		750	160	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Bis(2-chloroethyl)ether	ND		75	13	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Carbazole	ND		75	17	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Chrysene	ND		75	41	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2
Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Fluorene	ND		75	15	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Isophorone	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Naphthalene	ND		75	14	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,2'-oxybis[1-chloropropane]	ND		75	27	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Phenol	ND		370	110	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
Pyrene	ND		75	18	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/27/23 07:45	07/28/23 08:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*07/27/23 07:45*	*07/28/23 08:34*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/27/23 07:45*	*07/28/23 08:34*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/27/23 07:45*	*07/28/23 08:34*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*07/27/23 07:45*	*07/28/23 08:34*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*07/27/23 07:45*	*07/28/23 08:34*	*1*
2,4,6-Tribromophenol (Surr)	*36*		*34 - 108*	*07/27/23 07:45*	*07/28/23 08:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/27/23 07:32	07/28/23 14:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S90
Lab Sample ID: 180-159816-2

Date Collected: 07/25/23 14:05
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 88.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/27/23 07:32*	*07/28/23 14:23*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*07/27/23 07:32*	*07/28/23 14:23*	*1*
Tetrachloro-m-xylene (Surr)	*132*		*55 - 135*	*07/27/23 07:32*	*07/28/23 14:23*	*1*
Tetrachloro-m-xylene (Surr)	*140*	*S1+*	*55 - 135*	*07/27/23 07:32*	*07/28/23 14:23*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	4.7	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Antimony	ND		0.94	0.28	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Arsenic	**9.5**		0.94	0.59	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Barium	**31**		19	3.3	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Beryllium	**0.47**		0.38	0.10	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Cadmium	**0.65**		0.47	0.069	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Calcium	**920**		470	61	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Chromium	**11**		0.47	0.43	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Cobalt	**8.1**		4.7	0.66	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Copper	**22**		2.4	1.4	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Iron	**22000**		9.4	9.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Lead	**8.4**		0.94	0.82	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Magnesium	**2700**		470	52	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Manganese	**400**		1.4	0.26	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Nickel	**19**		3.8	0.47	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Potassium	**440**	**J**	470	80	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Selenium	ND		0.94	0.43	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Silver	ND		0.47	0.098	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Sodium	ND		470	48	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Thallium	ND		1.9	0.27	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Vanadium	**18**		4.7	0.74	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1
Zinc	**58**		1.9	1.4	mg/Kg	☼	07/26/23 12:30	07/27/23 17:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.024	mg/Kg	☼	07/26/23 10:56	07/27/23 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.4**		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	**88.6**		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3

Date Collected: 07/25/23 14:10
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3
Date Collected: 07/25/23 14:10
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:23	1

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3

Date Collected: 07/25/23 14:10
Matrix: Solid

Date Received: 07/26/23 09:47
Percent Solids: 83.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*07/27/23 14:03*	*07/27/23 21:23*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/27/23 14:03*	*07/27/23 21:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*07/27/23 14:03*	*07/27/23 21:23*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*07/27/23 14:03*	*07/27/23 21:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Acenaphthylene	ND		79	17	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Acetophenone	ND		790	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Anthracene	ND		79	20	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Atrazine	ND		790	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Benzaldehyde	ND		790	49	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Benzo[a]anthracene	ND		79	35	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Benzo[b]fluoranthene	**34**	**J**	79	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Benzo[g,h,i]perylene	**18**	**J**	79	17	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Benzo[k]fluoranthene	ND		79	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Carbazole	ND		79	18	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Chrysene	ND		79	43	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Dibenzofuran	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Fluoranthene	**47**	**J**	79	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Fluorene	ND		79	15	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3
Date Collected: 07/25/23 14:10
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Isophorone	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Naphthalene	ND		79	15	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Nitrobenzene	ND		790	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Phenanthrene	**24**	**J**	79	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Phenol	ND		390	120	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
Pyrene	**40**	**J**	79	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*07/27/23 07:45*	*07/28/23 10:48*	*1*
2-Fluorophenol (Surr)	*95*		*48 - 105*	*07/27/23 07:45*	*07/28/23 10:48*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 105*	*07/27/23 07:45*	*07/28/23 10:48*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*07/27/23 07:45*	*07/28/23 10:48*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 105*	*07/27/23 07:45*	*07/28/23 10:48*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*34 - 108*	*07/27/23 07:45*	*07/28/23 10:48*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1221	ND		20	6.9	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1248	ND		20	4.7	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1254	ND		20	5.9	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1260	ND		20	5.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1262	ND		20	6.9	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1
PCB-1268	ND		20	2.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*07/27/23 07:32*	*07/28/23 14:41*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/27/23 07:32*	*07/28/23 14:41*	*1*
Tetrachloro-m-xylene (Surr)	*127*		*55 - 135*	*07/27/23 07:32*	*07/28/23 14:41*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S91
Lab Sample ID: 180-159816-3
Date Collected: 07/25/23 14:10
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*127*		*55 - 135*	*07/27/23 07:32*	*07/28/23 14:41*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7600**		18	4.5	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Antimony	ND		0.91	0.27	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Arsenic	**6.7**		0.91	0.57	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Barium	**77**		18	3.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Beryllium	**0.34**	**J**	0.36	0.099	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Cadmium	**0.50**		0.45	0.067	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Calcium	**4600**		450	59	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Chromium	**8.9**		0.45	0.41	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Cobalt	**5.8**		4.5	0.64	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Copper	**27**		2.3	1.4	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Iron	**16000**		9.1	8.8	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Lead	**34**		0.91	0.79	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Magnesium	**2500**		450	50	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Manganese	**440**		1.4	0.25	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Nickel	**14**		3.6	0.46	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Potassium	**340**	**J**	450	77	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Selenium	ND		0.91	0.42	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Silver	ND		0.45	0.094	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Sodium	**46**	**J**	450	46	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Thallium	ND		1.8	0.26	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Vanadium	**13**		4.5	0.72	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1
Zinc	**55**		1.8	1.3	mg/Kg	☼	07/26/23 12:30	07/27/23 17:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.039	0.025	mg/Kg	☼	07/26/23 10:56	07/27/23 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.5**		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	**83.5**		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4
Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4
Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Toluene	ND		5.4	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	07/27/23 14:03	07/27/23 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*07/27/23 14:03*	*07/27/23 21:46*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/27/23 14:03*	*07/27/23 21:46*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4

Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 87.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*07/27/23 14:03*	*07/27/23 21:46*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/27/23 14:03*	*07/27/23 21:46*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Acetophenone	ND		770	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Anthracene	ND		77	20	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Atrazine	ND		770	170	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Benzaldehyde	ND		770	47	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Benzo[a]anthracene	ND		77	34	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Benzo[a]pyrene	**34**	**J**	77	33	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Benzo[b]fluoranthene	**32**	**J**	77	19	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Benzo[g,h,i]perylene	**20**	**J**	77	16	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Carbazole	ND		77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2-Chloronaphthalene	ND		77	17	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Chrysene	ND		77	42	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Fluoranthene	**46**	**J**	77	20	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Fluorene	ND		77	15	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4
Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 87.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Isophorone	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Naphthalene	ND		77	15	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Phenanthrene	ND		77	20	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Phenol	ND		380	120	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
Pyrene	**40**	**J**	77	18	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*07/27/23 07:45*	*07/28/23 09:18*	*1*
2-Fluorophenol (Surr)	*90*		*48 - 105*	*07/27/23 07:45*	*07/28/23 09:18*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*07/27/23 07:45*	*07/28/23 09:18*	*1*
Phenol-d5 (Surr)	*82*		*46 - 105*	*07/27/23 07:45*	*07/28/23 09:18*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/27/23 07:45*	*07/28/23 09:18*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*34 - 108*	*07/27/23 07:45*	*07/28/23 09:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/27/23 07:32	07/28/23 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*07/27/23 07:32*	*07/28/23 14:59*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*07/27/23 07:32*	*07/28/23 14:59*	*1*
Tetrachloro-m-xylene (Surr)	*130*		*55 - 135*	*07/27/23 07:32*	*07/28/23 14:59*	*1*
Tetrachloro-m-xylene (Surr)	*133*		*55 - 135*	*07/27/23 07:32*	*07/28/23 14:59*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S92
Lab Sample ID: 180-159816-4
Date Collected: 07/25/23 14:15
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 87.4

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000		17	4.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Antimony	1.3		0.84	0.25	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Arsenic	6.8		0.84	0.53	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Barium	72		17	3.0	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Beryllium	0.39		0.34	0.092	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Cadmium	0.49		0.42	0.062	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Calcium	6200		420	54	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Chromium	8.4		0.42	0.38	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Cobalt	6.2		4.2	0.59	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Copper	40		2.1	1.3	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Iron	16000		8.4	8.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Lead	47		0.84	0.73	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Magnesium	2000		420	46	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Manganese	450		1.3	0.23	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Nickel	14		3.4	0.42	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Potassium	360	J	420	72	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Selenium	ND		0.84	0.39	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Silver	ND		0.42	0.087	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Sodium	46	J	420	43	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Thallium	ND		1.7	0.24	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Vanadium	12		4.2	0.67	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1
Zinc	63		1.7	1.2	mg/Kg	☼	07/26/23 12:30	07/27/23 17:59	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.036	0.023	mg/Kg	☼	07/26/23 10:56	07/27/23 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.6		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	87.4		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5
Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Benzene	ND		5.5	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5
Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Styrene	ND		5.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*07/27/23 14:03*	*07/27/23 22:09*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*07/27/23 14:03*	*07/27/23 22:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*07/27/23 14:03*	*07/27/23 22:09*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/27/23 14:03*	*07/27/23 22:09*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5

Date Collected: 07/25/23 14:20
Matrix: Solid

Date Received: 07/26/23 09:47
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**47**	**J**	76	22	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Acenaphthylene	**1700**		76	16	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Acetophenone	ND		760	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Anthracene	**1200**		76	20	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Atrazine	ND		760	160	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Benzaldehyde	ND		760	47	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Benzo[a]anthracene	**5100**		76	34	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Benzo[a]pyrene	**4900**		76	33	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Benzo[b]fluoranthene	**5700**		76	19	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Benzo[g,h,i]perylene	**3300**		76	16	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Benzo[k]fluoranthene	**2200**		76	23	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Carbazole	**220**		76	18	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Chrysene	**4800**		76	42	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Dibenz(a,h)anthracene	**830**		76	48	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Fluoranthene	**6900**		76	20	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Fluorene	**170**		76	15	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Indeno[1,2,3-cd]pyrene	**2800**		76	38	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Isophorone	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2-Methylnaphthalene	**200**		76	18	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5

Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Naphthalene	**380**		76	15	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Nitrobenzene	ND		760	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Phenanthrene	**2300**		76	20	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Phenol	ND		370	110	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
Pyrene	**6900**		76	18	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	07/27/23 07:45	07/28/23 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*07/27/23 07:45*	*07/28/23 09:41*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*07/27/23 07:45*	*07/28/23 09:41*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/27/23 07:45*	*07/28/23 09:41*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*07/27/23 07:45*	*07/28/23 09:41*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*07/27/23 07:45*	*07/28/23 09:41*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*07/27/23 07:45*	*07/28/23 09:41*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/27/23 07:32	07/28/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/27/23 07:32*	*07/28/23 15:16*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*07/27/23 07:32*	*07/28/23 15:16*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*07/27/23 07:32*	*07/28/23 15:16*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*07/27/23 07:32*	*07/28/23 15:16*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4500**		14	3.5	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Antimony	**0.30**	**J**	0.70	0.21	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5

Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.8		0.70	0.44	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Barium	100		14	2.5	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Beryllium	0.38		0.28	0.077	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Cadmium	0.69		0.35	0.052	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Calcium	2800		350	45	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Chromium	12		0.35	0.32	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Cobalt	4.8		3.5	0.49	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Copper	61		1.8	1.1	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Iron	17000		7.0	6.8	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Lead	74		0.70	0.61	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Magnesium	1100		350	39	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Manganese	210		1.1	0.20	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Nickel	18		2.8	0.35	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Potassium	310	J	350	60	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Selenium	0.47	J	0.70	0.32	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Silver	ND		0.35	0.073	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Sodium	93	J	350	36	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Thallium	ND		1.4	0.20	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Vanadium	13		3.5	0.56	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1
Zinc	69		1.4	1.0	mg/Kg	☼	07/26/23 12:30	07/27/23 18:04	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.034	0.022	mg/Kg	☼	07/26/23 10:56	07/27/23 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.2		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	86.8		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6

Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Benzene	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Chlorobromomethane	ND		5.9	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Chloroethane	ND		5.9	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Chloroform	ND		5.9	4.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,3-Dichlorobenzene	ND		5.9	3.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Dichlorodifluoromethane	ND		5.9	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,4-Dioxane	ND		1200	90	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Methylcyclohexane	ND		5.9	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Styrene	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Toluene	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Vinyl chloride	ND		5.9	4.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	07/27/23 14:03	07/27/23 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*07/27/23 14:03*	*07/27/23 22:31*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*07/27/23 14:03*	*07/27/23 22:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*07/27/23 14:03*	*07/27/23 22:31*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*07/27/23 14:03*	*07/27/23 22:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**68**	**J**	80	23	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**1800**		80	17	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Acetophenone	ND		800	140	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Anthracene	**980**		80	21	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Atrazine	ND		800	170	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Benzaldehyde	ND		800	49	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Benzo[a]anthracene	**3700**		80	36	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Benzo[a]pyrene	**3900**		80	34	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Benzo[b]fluoranthene	**4700**		80	20	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Benzo[g,h,i]perylene	**3000**		80	17	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Benzo[k]fluoranthene	**1600**		80	24	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Carbazole	**180**		80	19	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Chrysene	**3800**		80	44	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Dibenz(a,h)anthracene	**780**		80	51	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Fluoranthene	**4500**		80	21	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Fluorene	**140**		80	16	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Indeno[1,2,3-cd]pyrene	**2500**		80	40	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Isophorone	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2-Methylnaphthalene	**200**		80	19	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**320**		80	16	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Phenanthrene	**1400**		80	21	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Phenol	ND		390	120	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
Pyrene	**5300**		80	19	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/27/23 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*07/27/23 07:45*	*07/27/23 21:59*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/27/23 07:45*	*07/27/23 21:59*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*07/27/23 07:45*	*07/27/23 21:59*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*07/27/23 07:45*	*07/27/23 21:59*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*07/27/23 07:45*	*07/27/23 21:59*	*1*
2,4,6-Tribromophenol (Surr)	*34*		*34 - 108*	*07/27/23 07:45*	*07/27/23 21:59*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1221	ND		20	7.0	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1232	ND		20	4.8	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1260	ND		20	5.7	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1262	ND		20	7.0	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/27/23 07:32	07/28/23 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*07/27/23 07:32*	*07/28/23 15:34*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/27/23 07:32*	*07/28/23 15:34*	*1*
Tetrachloro-m-xylene (Surr)	*135*		*55 - 135*	*07/27/23 07:32*	*07/28/23 15:34*	*1*
Tetrachloro-m-xylene (Surr)	*137*	*S1+*	*55 - 135*	*07/27/23 07:32*	*07/28/23 15:34*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7500**		16	4.0	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Antimony	**0.60**	**J**	0.80	0.24	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Arsenic	**12**		0.80	0.50	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6

Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	120		16	2.8	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Beryllium	0.51		0.32	0.087	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Cadmium	0.90		0.40	0.058	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Calcium	4900		400	51	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Chromium	12		0.40	0.36	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Cobalt	7.4		4.0	0.56	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Copper	67		2.0	1.2	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Iron	22000		8.0	7.7	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Lead	76		0.80	0.69	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Magnesium	1700		400	44	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Manganese	330		1.2	0.22	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Nickel	23		3.2	0.40	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Potassium	510		400	68	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Selenium	0.42	J	0.80	0.37	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Silver	ND		0.40	0.083	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Sodium	160	J	400	41	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Thallium	ND		1.6	0.23	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Vanadium	16		4.0	0.63	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1
Zinc	79		1.6	1.2	mg/Kg	☼	07/26/23 12:30	07/27/23 18:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.072		0.035	0.023	mg/Kg	☼	07/26/23 10:56	07/27/23 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.2		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	83.8		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7

Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 76.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		32	5.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Benzene	ND		6.5	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Bromoform	ND		6.5	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Bromomethane	ND		6.5	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
2-Butanone (MEK)	ND		32	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Carbon disulfide	ND		6.5	5.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Carbon tetrachloride	ND		6.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Chlorobenzene	ND		6.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Chlorobromomethane	ND		6.5	3.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Chlorodibromomethane	ND		6.5	3.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Chloroethane	ND		6.5	3.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Chloroform	ND		6.5	4.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Chloromethane	ND		6.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
cis-1,2-Dichloroethene	ND		6.5	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
cis-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7
Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 76.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		6.5	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2-Dibromo-3-Chloropropane	ND		6.5	4.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2-Dibromoethane	ND		6.5	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2-Dichlorobenzene	ND		6.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,3-Dichlorobenzene	ND		6.5	4.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,4-Dichlorobenzene	ND		6.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Dichlorobromomethane	ND		6.5	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Dichlorodifluoromethane	ND		6.5	3.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,1-Dichloroethane	ND		6.5	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2-Dichloroethane	ND		6.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,1-Dichloroethene	ND		6.5	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2-Dichloroethene, Total	ND		13	5.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2-Dichloropropane	ND		6.5	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,4-Dioxane	ND		1300	99	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Ethylbenzene	ND		6.5	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
2-Hexanone	ND		32	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Isopropylbenzene	ND		6.5	3.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Methyl acetate	ND		32	9.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Methylcyclohexane	ND		6.5	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Methylene Chloride	ND		6.5	5.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Methyl tert-butyl ether	ND		6.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
m-Xylene & p-Xylene	ND		6.5	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
o-Xylene	ND		6.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Styrene	ND		6.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,1,2,2-Tetrachloroethane	ND		6.5	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Tetrachloroethene	ND		6.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Toluene	ND		6.5	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
trans-1,2-Dichloroethene	ND		6.5	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
trans-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2,3-Trichlorobenzene	ND		13	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,2,4-Trichlorobenzene	ND		6.5	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,1,1-Trichloroethane	ND		6.5	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,1,2-Trichloroethane	ND		6.5	1.3	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Trichloroethene	ND		6.5	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Trichlorofluoromethane	ND		6.5	5.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Vinyl chloride	ND		6.5	4.7	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1
Xylenes, Total	ND		13	9.4	ug/Kg	☼	07/27/23 14:03	07/27/23 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*07/27/23 14:03*	*07/27/23 22:54*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*07/27/23 14:03*	*07/27/23 22:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*07/27/23 14:03*	*07/27/23 22:54*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*07/27/23 14:03*	*07/27/23 22:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		88	25	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Acenaphthylene	ND		88	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7
Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 76.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		880	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Anthracene	ND		88	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Atrazine	ND		880	190	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Benzaldehyde	ND		880	54	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Benzo[a]anthracene	ND		88	39	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Benzo[a]pyrene	ND		88	38	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Benzo[b]fluoranthene	**24**	**J**	88	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Benzo[g,h,i]perylene	**22**	**J**	88	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Benzo[k]fluoranthene	ND		88	26	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
1,1'-Biphenyl	ND		430	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Bis(2-chloroethoxy)methane	ND		430	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Bis(2-chloroethyl)ether	ND		88	16	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Bis(2-ethylhexyl) phthalate	ND		4300	460	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4-Bromophenyl phenyl ether	ND		430	190	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Butyl benzyl phthalate	ND		430	300	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Caprolactam	ND		2200	280	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Carbazole	ND		88	20	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4-Chloroaniline	ND		430	110	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4-Chloro-3-methylphenol	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2-Chloronaphthalene	ND		88	20	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2-Chlorophenol	ND		430	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4-Chlorophenyl phenyl ether	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Chrysene	ND		88	48	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Dibenz(a,h)anthracene	ND		88	56	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Dibenzofuran	ND		430	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
3,3'-Dichlorobenzidine	ND		430	410	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,4-Dichlorophenol	ND		88	34	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Diethyl phthalate	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,4-Dimethylphenol	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Dimethyl phthalate	ND		430	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Di-n-butyl phthalate	ND		430	190	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4,6-Dinitro-2-methylphenol	ND		2200	750	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,4-Dinitrophenol	ND		4300	2700	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,4-Dinitrotoluene	ND		430	260	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,6-Dinitrotoluene	ND		430	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Di-n-octyl phthalate	ND		430	250	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
1,4-Dioxane	ND		880	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Fluoranthene	**29**	**J**	88	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Fluorene	ND		88	17	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Hexachlorobenzene	ND		88	31	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Hexachlorobutadiene	ND		88	26	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Hexachlorocyclopentadiene	ND		430	45	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Hexachloroethane	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Indeno[1,2,3-cd]pyrene	ND		88	43	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Isophorone	ND		430	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2-Methylnaphthalene	ND		88	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2-Methylphenol	ND		430	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Methylphenol, 3 & 4	ND		430	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Naphthalene	ND		88	17	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7

Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 76.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2200	200	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
3-Nitroaniline	ND		2200	110	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4-Nitroaniline	ND		2200	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Nitrobenzene	ND		880	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2-Nitrophenol	ND		430	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
4-Nitrophenol	ND		2200	310	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
N-Nitrosodi-n-propylamine	ND		88	30	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
N-Nitrosodiphenylamine	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,2'-oxybis[1-chloropropane]	ND		88	32	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Pentachlorophenol	ND		2200	700	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Phenanthrene	ND		88	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Phenol	ND		430	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
Pyrene	**30**	**J**	88	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
1,2,4,5-Tetrachlorobenzene	ND		430	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,3,4,6-Tetrachlorophenol	ND		430	180	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,4,5-Trichlorophenol	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1
2,4,6-Trichlorophenol	ND		430	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*07/27/23 07:45*	*07/28/23 10:03*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*07/27/23 07:45*	*07/28/23 10:03*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*07/27/23 07:45*	*07/28/23 10:03*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*07/27/23 07:45*	*07/28/23 10:03*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*07/27/23 07:45*	*07/28/23 10:03*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*34 - 108*	*07/27/23 07:45*	*07/28/23 10:03*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	7.0	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1221	ND		22	7.7	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1232	ND		22	5.3	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1242	ND		22	3.2	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1248	ND		22	5.2	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1254	ND		22	6.5	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1260	ND		22	6.2	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1262	ND		22	7.6	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1
PCB-1268	ND		22	2.9	ug/Kg	☼	07/27/23 07:32	07/28/23 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*07/27/23 07:32*	*07/28/23 15:52*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*07/27/23 07:32*	*07/28/23 15:52*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*07/27/23 07:32*	*07/28/23 15:52*	*1*
Tetrachloro-m-xylene (Surr)	*125*		*55 - 135*	*07/27/23 07:32*	*07/28/23 15:52*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		18	4.5	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Antimony	ND		0.91	0.28	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Arsenic	**7.4**		0.91	0.57	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Barium	**170**		18	3.2	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1

Client Sample ID: SSHS-ISMP-NAF-UT-S94
Lab Sample ID: 180-159816-7

Date Collected: 07/25/23 14:25
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 76.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.59		0.36	0.099	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Cadmium	0.54		0.45	0.067	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Calcium	2300		450	59	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Chromium	12		0.45	0.41	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Cobalt	6.0		4.5	0.64	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Copper	12		2.3	1.4	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Iron	18000		9.1	8.9	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Lead	19		0.91	0.79	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Magnesium	2200		450	50	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Manganese	490		1.4	0.25	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Nickel	17		3.6	0.46	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Potassium	460		450	77	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Selenium	0.64	J	0.91	0.42	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Silver	ND		0.45	0.095	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Sodium	ND		450	47	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Thallium	0.31	J	1.8	0.26	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Vanadium	17		4.5	0.72	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1
Zinc	60		1.8	1.3	mg/Kg	☼	07/26/23 12:30	07/27/23 18:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.042	0.027	mg/Kg	☼	07/26/23 10:56	07/27/23 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	23.6		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	76.4		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8

Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8
Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,1-Dichloroethene	ND		5.6	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Methyl tert-butyl ether	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.3	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Vinyl chloride	ND		5.6	4.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	07/27/23 14:03	07/27/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*60 - 124*	*07/27/23 14:03*	*07/27/23 18:54*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*07/27/23 14:03*	*07/27/23 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*07/27/23 14:03*	*07/27/23 18:54*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*07/27/23 14:03*	*07/27/23 18:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Acenaphthylene	ND		78	17	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Acetophenone	ND		780	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8
Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		78	20	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Atrazine	ND	F1 F2	780	170	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Benzaldehyde	ND	F1	780	48	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Benzo[a]pyrene	ND		78	33	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Carbazole	ND		78	18	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4-Chloroaniline	ND	F1	380	100	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Chrysene	ND		78	43	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Dibenz(a,h)anthracene	ND		78	49	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4,6-Dinitro-2-methylphenol	ND	F2	2000	670	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,4-Dinitrophenol	ND	F1	3800	2400	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Fluoranthene	ND		78	20	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Fluorene	ND		78	15	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Hexachlorocyclopentadiene	ND	F1	380	39	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Hexachloroethane	ND	F2	380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Indeno[1,2,3-cd]pyrene	ND		78	38	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Isophorone	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Naphthalene	ND		78	15	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8

Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2000	98	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Nitrobenzene	ND		780	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Pentachlorophenol	ND	F1	2000	620	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Phenanthrene	ND		78	21	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Phenol	ND		380	120	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
Pyrene	ND		78	18	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,3,4,6-Tetrachlorophenol	ND	F2	380	160	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/27/23 07:45	07/28/23 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*07/27/23 07:45*	*07/28/23 07:50*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*07/27/23 07:45*	*07/28/23 07:50*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*07/27/23 07:45*	*07/28/23 07:50*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*07/27/23 07:45*	*07/28/23 07:50*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*07/27/23 07:45*	*07/28/23 07:50*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*07/27/23 07:45*	*07/28/23 07:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1221	ND		19	6.9	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1248	ND		19	4.7	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/27/23 07:32	07/28/23 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*07/27/23 07:32*	*07/28/23 12:37*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*07/27/23 07:32*	*07/28/23 12:37*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*07/27/23 07:32*	*07/28/23 12:37*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*07/27/23 07:32*	*07/28/23 12:37*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		15	3.8	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Antimony	ND	F1	0.76	0.23	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Arsenic	**8.7**		0.76	0.47	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Barium	**49**		15	2.7	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Beryllium	**0.53**		0.30	0.082	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Lab Sample ID: 180-159816-8

Date Collected: 07/25/23 14:30
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 84.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.58		0.38	0.056	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Calcium	1100		380	49	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Chromium	13		0.38	0.34	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Cobalt	9.1		3.8	0.53	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Copper	17		1.9	1.1	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Iron	21000		7.6	7.4	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Lead	9.8		0.76	0.66	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Magnesium	2800	F1	380	42	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Manganese	340		1.1	0.21	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Nickel	18		3.0	0.38	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Potassium	510		380	64	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Selenium	ND		0.76	0.35	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Silver	ND		0.38	0.079	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Sodium	ND		380	39	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Thallium	ND		1.5	0.21	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Vanadium	17		3.8	0.60	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1
Zinc	58	F1	1.5	1.1	mg/Kg	☼	07/26/23 12:30	07/27/23 17:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.024	mg/Kg	☼	07/26/23 10:56	07/27/23 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.3		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	84.7		0.1	0.1	%			07/26/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9

Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.6	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Benzene	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Chlorobromomethane	ND		5.9	3.6	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Chloroethane	ND		5.9	3.5	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Chloroform	ND		5.9	4.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Chloromethane	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9
Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,3-Dichlorobenzene	ND		5.9	3.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Dichlorodifluoromethane	ND		5.9	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,4-Dioxane	ND		1200	90	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Methylcyclohexane	ND		5.9	2.9	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Methylene Chloride	ND		5.9	5.4	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Styrene	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Toluene	ND		5.9	1.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Vinyl chloride	ND		5.9	4.3	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1
Xylenes, Total	ND		12	8.6	ug/Kg	☼	07/27/23 14:03	07/27/23 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*07/27/23 14:03*	*07/27/23 23:17*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*07/27/23 14:03*	*07/27/23 23:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*07/27/23 14:03*	*07/27/23 23:17*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*07/27/23 14:03*	*07/27/23 23:17*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Acenaphthylene	ND		80	17	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Acetophenone	ND		800	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Anthracene	ND		80	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9
Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		800	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Benzaldehyde	ND		800	49	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Benzo[a]pyrene	ND		80	34	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Benzo[b]fluoranthene	ND		80	20	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Caprolactam	ND		2000	260	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Carbazole	ND		80	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Chrysene	ND		80	44	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Dibenzofuran	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Fluoranthene	ND		80	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Fluorene	ND		80	16	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Hexachlorobenzene	ND		80	28	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Hexachloroethane	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Isophorone	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2-Methylphenol	ND		390	110	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Naphthalene	ND		80	15	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9
Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2000	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Nitrobenzene	ND		800	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Phenanthrene	ND		80	21	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Phenol	ND		390	120	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
Pyrene	**21**	**J**	80	19	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	07/27/23 07:45	07/28/23 10:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*07/27/23 07:45*	*07/28/23 10:25*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*07/27/23 07:45*	*07/28/23 10:25*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*07/27/23 07:45*	*07/28/23 10:25*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*07/27/23 07:45*	*07/28/23 10:25*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*07/27/23 07:45*	*07/28/23 10:25*	*1*
2,4,6-Tribromophenol (Surr)	*46*		*34 - 108*	*07/27/23 07:45*	*07/28/23 10:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1221	ND		20	7.1	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1232	ND		20	4.9	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1242	ND		20	2.9	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1248	ND		20	4.8	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1254	ND		20	6.0	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1260	ND		20	5.7	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1262	ND		20	7.1	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1
PCB-1268	ND		20	2.7	ug/Kg	☼	07/27/23 07:32	07/28/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*07/27/23 07:32*	*07/28/23 16:09*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*07/27/23 07:32*	*07/28/23 16:09*	*1*
Tetrachloro-m-xylene (Surr)	*129*		*55 - 135*	*07/27/23 07:32*	*07/28/23 16:09*	*1*
Tetrachloro-m-xylene (Surr)	*133*		*55 - 135*	*07/27/23 07:32*	*07/28/23 16:09*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		15	3.8	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Antimony	**0.35**	**J**	0.76	0.23	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Arsenic	**8.1**		0.76	0.48	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Barium	**100**		15	2.7	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Beryllium	**0.42**		0.30	0.083	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Cadmium	**0.54**		0.38	0.056	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9

Date Collected: 07/25/23 14:35
Matrix: Solid

Date Received: 07/26/23 09:47
Percent Solids: 82.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	5200		380	49	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Chromium	11		0.38	0.35	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Cobalt	6.5		3.8	0.53	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Copper	21		1.9	1.1	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Iron	18000		7.6	7.4	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Lead	20		0.76	0.66	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Magnesium	3100		380	42	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Manganese	410		1.1	0.21	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Nickel	16		3.0	0.38	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Potassium	370	J	380	65	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Selenium	0.35	J	0.76	0.35	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Silver	ND		0.38	0.079	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Sodium	ND		380	39	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Thallium	0.25	J	1.5	0.22	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Vanadium	14		3.8	0.60	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1
Zinc	58		1.5	1.1	mg/Kg	☼	07/26/23 12:30	07/27/23 18:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027	J	0.036	0.023	mg/Kg	☼	07/26/23 10:56	07/27/23 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.7		0.1	0.1	%			07/26/23 12:48	1
Percent Solids (SM22 2540G)	82.3		0.1	0.1	%			07/26/23 12:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-441697/6
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/27/23 18:09	1
Benzene	ND		5.0	1.4	ug/Kg			07/27/23 18:09	1
Bromoform	ND		5.0	2.5	ug/Kg			07/27/23 18:09	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/27/23 18:09	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/27/23 18:09	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/27/23 18:09	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/27/23 18:09	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/27/23 18:09	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/27/23 18:09	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/27/23 18:09	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/27/23 18:09	1
Chloroform	ND		5.0	3.4	ug/Kg			07/27/23 18:09	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/27/23 18:09	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/27/23 18:09	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/27/23 18:09	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/27/23 18:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/27/23 18:09	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/27/23 18:09	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/27/23 18:09	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/27/23 18:09	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/27/23 18:09	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/27/23 18:09	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/27/23 18:09	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/27/23 18:09	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/27/23 18:09	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/27/23 18:09	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/27/23 18:09	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/27/23 18:09	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/27/23 18:09	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/27/23 18:09	1
2-Hexanone	ND		25	1.6	ug/Kg			07/27/23 18:09	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/27/23 18:09	1
Methyl acetate	ND		25	7.4	ug/Kg			07/27/23 18:09	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/27/23 18:09	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/27/23 18:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/27/23 18:09	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/27/23 18:09	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/27/23 18:09	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/27/23 18:09	1
Styrene	ND		5.0	1.5	ug/Kg			07/27/23 18:09	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/27/23 18:09	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/27/23 18:09	1
Toluene	ND		5.0	1.4	ug/Kg			07/27/23 18:09	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/27/23 18:09	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/27/23 18:09	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/27/23 18:09	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/27/23 18:09	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/27/23 18:09	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-441697/6
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/27/23 18:09	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/27/23 18:09	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/27/23 18:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/27/23 18:09	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/27/23 18:09	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/27/23 18:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*		*07/27/23 18:09*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*		*07/27/23 18:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*		*07/27/23 18:09*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*		*07/27/23 18:09*	*1*

Lab Sample ID: LCS 180-441697/3
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	41.9		ug/Kg		105	23 - 170
Benzene	40.0	41.4		ug/Kg		104	77 - 120
Bromoform	40.0	32.5		ug/Kg		81	37 - 147
Bromomethane	40.0	34.9		ug/Kg		87	47 - 149
2-Butanone (MEK)	40.0	30.5		ug/Kg		76	39 - 157
Carbon disulfide	40.0	39.7		ug/Kg		99	40 - 156
Carbon tetrachloride	40.0	37.6		ug/Kg		94	73 - 130
Chlorobenzene	40.0	38.0		ug/Kg		95	79 - 122
Chlorobromomethane	40.0	37.1		ug/Kg		93	64 - 128
Chlorodibromomethane	40.0	35.2		ug/Kg		88	60 - 134
Chloroethane	40.0	25.5		ug/Kg		64	37 - 159
Chloroform	40.0	41.5		ug/Kg		104	73 - 126
Chloromethane	40.0	46.2		ug/Kg		115	46 - 151
cis-1,2-Dichloroethene	40.0	40.1		ug/Kg		100	77 - 118
cis-1,3-Dichloropropene	40.0	38.0		ug/Kg		95	73 - 127
Cyclohexane	40.0	38.8		ug/Kg		97	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	30.7		ug/Kg		77	30 - 163
1,2-Dibromoethane	40.0	37.3		ug/Kg		93	59 - 137
1,2-Dichlorobenzene	40.0	38.7		ug/Kg		97	76 - 120
1,3-Dichlorobenzene	40.0	39.3		ug/Kg		98	77 - 121
1,4-Dichlorobenzene	40.0	38.1		ug/Kg		95	79 - 120
Dichlorobromomethane	40.0	40.0		ug/Kg		100	75 - 123
Dichlorodifluoromethane	40.0	37.9		ug/Kg		95	26 - 149
1,1-Dichloroethane	40.0	41.2		ug/Kg		103	73 - 124
1,2-Dichloroethane	40.0	37.2		ug/Kg		93	64 - 140
1,1-Dichloroethene	40.0	40.8		ug/Kg		102	55 - 136
1,2-Dichloroethene, Total	80.0	81.1		ug/Kg		101	77 - 119
1,2-Dichloropropane	40.0	40.4		ug/Kg		101	77 - 119
1,4-Dioxane	800	842	J	ug/Kg		105	18 - 166
Ethylbenzene	40.0	38.9		ug/Kg		97	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-441697/3
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Hexanone			40.0	30.9		ug/Kg		77	42 - 152		
Isopropylbenzene			40.0	40.2		ug/Kg		101	70 - 125		
Methyl acetate			80.0	103		ug/Kg		129	20 - 170		
Methylcyclohexane			40.0	38.9		ug/Kg		97	70 - 125		
Methylene Chloride			40.0	45.2		ug/Kg		113	67 - 131		
4-Methyl-2-pentanone (MIBK)			40.0	33.0		ug/Kg		83	51 - 147		
Methyl tert-butyl ether			40.0	38.4		ug/Kg		96	58 - 132		
m-Xylene & p-Xylene			40.0	39.1		ug/Kg		98	77 - 120		
o-Xylene			40.0	38.8		ug/Kg		97	78 - 118		
Styrene			40.0	39.4		ug/Kg		99	80 - 120		
1,1,2,2-Tetrachloroethane			40.0	36.0		ug/Kg		90	36 - 170		
Tetrachloroethene			40.0	37.6		ug/Kg		94	71 - 121		
Toluene			40.0	39.5		ug/Kg		99	76 - 120		
trans-1,2-Dichloroethene			40.0	41.0		ug/Kg		103	75 - 122		
trans-1,3-Dichloropropene			40.0	38.3		ug/Kg		96	68 - 133		
1,2,3-Trichlorobenzene			40.0	39.0		ug/Kg		98	29 - 166		
1,2,4-Trichlorobenzene			40.0	38.8		ug/Kg		97	22 - 170		
1,1,1-Trichloroethane			40.0	40.1		ug/Kg		100	72 - 134		
1,1,2-Trichloroethane			40.0	37.9		ug/Kg		95	66 - 128		
Trichloroethene			40.0	38.8		ug/Kg		97	69 - 118		
Trichlorofluoromethane			40.0	49.5		ug/Kg		124	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	37.5		ug/Kg		94	59 - 135		
Vinyl chloride			40.0	44.3		ug/Kg		111	64 - 134		
Xylenes, Total			80.0	77.9		ug/Kg		97	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*87*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*
Toluene-d8 (Surr)	*94*		*67 - 134*

Lab Sample ID: LCSD 180-441697/4
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	41.0		ug/Kg		102	23 - 170	2	35
Benzene			40.0	42.4		ug/Kg		106	77 - 120	2	20
Bromoform			40.0	30.6		ug/Kg		76	37 - 147	6	23
Bromomethane			40.0	31.7		ug/Kg		79	47 - 149	10	25
2-Butanone (MEK)			40.0	34.1		ug/Kg		85	39 - 157	11	33
Carbon disulfide			40.0	40.4		ug/Kg		101	40 - 156	2	25
Carbon tetrachloride			40.0	38.3		ug/Kg		96	73 - 130	2	21
Chlorobenzene			40.0	37.5		ug/Kg		94	79 - 122	1	20
Chlorobromomethane			40.0	37.8		ug/Kg		94	64 - 128	2	20
Chlorodibromomethane			40.0	33.9		ug/Kg		85	60 - 134	4	40
Chloroethane			40.0	23.8		ug/Kg		60	37 - 159	7	25
Chloroform			40.0	42.4		ug/Kg		106	73 - 126	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-441697/4
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	45.8		ug/Kg		114	46 - 151	1	33
cis-1,2-Dichloroethene			40.0	41.2		ug/Kg		103	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	38.6		ug/Kg		97	73 - 127	2	20
Cyclohexane			40.0	39.9		ug/Kg		100	63 - 143	3	25
1,2-Dibromo-3-Chloropropane			40.0	32.0		ug/Kg		80	30 - 163	4	34
1,2-Dibromoethane			40.0	35.9		ug/Kg		90	59 - 137	4	20
1,2-Dichlorobenzene			40.0	38.6		ug/Kg		96	76 - 120	0	20
1,3-Dichlorobenzene			40.0	40.0		ug/Kg		100	77 - 121	2	20
1,4-Dichlorobenzene			40.0	39.3		ug/Kg		98	79 - 120	3	20
Dichlorobromomethane			40.0	40.2		ug/Kg		100	75 - 123	0	20
Dichlorodifluoromethane			40.0	36.9		ug/Kg		92	26 - 149	3	24
1,1-Dichloroethane			40.0	42.2		ug/Kg		105	73 - 124	2	20
1,2-Dichloroethane			40.0	37.8		ug/Kg		94	64 - 140	2	20
1,1-Dichloroethene			40.0	41.7		ug/Kg		104	55 - 136	2	21
1,2-Dichloroethene, Total			80.0	82.6		ug/Kg		103	77 - 119	2	20
1,2-Dichloropropane			40.0	41.7		ug/Kg		104	77 - 119	3	20
1,4-Dioxane			800	938	J	ug/Kg		117	18 - 166	11	40
Ethylbenzene			40.0	39.0		ug/Kg		97	79 - 119	0	20
2-Hexanone			40.0	29.0		ug/Kg		72	42 - 152	6	30
Isopropylbenzene			40.0	39.9		ug/Kg		100	70 - 125	1	21
Methyl acetate			80.0	89.4		ug/Kg		112	20 - 170	14	33
Methylcyclohexane			40.0	39.1		ug/Kg		98	70 - 125	0	22
Methylene Chloride			40.0	45.9		ug/Kg		115	67 - 131	1	32
4-Methyl-2-pentanone (MIBK)			40.0	31.7		ug/Kg		79	51 - 147	4	27
Methyl tert-butyl ether			40.0	38.2		ug/Kg		96	58 - 132	0	24
m-Xylene & p-Xylene			40.0	38.6		ug/Kg		96	77 - 120	1	20
o-Xylene			40.0	38.3		ug/Kg		96	78 - 118	1	20
Styrene			40.0	39.0		ug/Kg		97	80 - 120	1	20
1,1,2,2-Tetrachloroethane			40.0	35.0		ug/Kg		88	36 - 170	3	23
Tetrachloroethene			40.0	37.9		ug/Kg		95	71 - 121	1	21
Toluene			40.0	39.3		ug/Kg		98	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	41.4		ug/Kg		104	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	37.9		ug/Kg		95	68 - 133	1	20
1,2,3-Trichlorobenzene			40.0	38.4		ug/Kg		96	29 - 166	2	40
1,2,4-Trichlorobenzene			40.0	39.2		ug/Kg		98	22 - 170	1	29
1,1,1-Trichloroethane			40.0	40.8		ug/Kg		102	72 - 134	2	20
1,1,2-Trichloroethane			40.0	37.3		ug/Kg		93	66 - 128	2	21
Trichloroethene			40.0	39.4		ug/Kg		98	69 - 118	2	20
Trichlorofluoromethane			40.0	43.0		ug/Kg		107	32 - 149	14	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	37.8		ug/Kg		94	59 - 135	1	28
Vinyl chloride			40.0	41.7		ug/Kg		104	64 - 134	6	23
Xylenes, Total			80.0	76.9		ug/Kg		96	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-441697/4
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*67 - 134*

Lab Sample ID: 180-159816-8 MS
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		44.3	52.9		ug/Kg	☼	119	23 - 170
Benzene	ND		44.3	44.4		ug/Kg	☼	100	77 - 120
Bromoform	ND		44.3	33.9		ug/Kg	☼	76	37 - 147
Bromomethane	ND		44.3	33.0		ug/Kg	☼	74	47 - 149
2-Butanone (MEK)	ND		44.3	43.7		ug/Kg	☼	99	39 - 157
Carbon disulfide	ND		44.3	44.7		ug/Kg	☼	101	40 - 156
Carbon tetrachloride	ND		44.3	41.5		ug/Kg	☼	94	73 - 130
Chlorobenzene	ND		44.3	40.7		ug/Kg	☼	92	79 - 122
Chlorobromomethane	ND		44.3	39.2		ug/Kg	☼	89	64 - 128
Chlorodibromomethane	ND		44.3	36.8		ug/Kg	☼	83	60 - 134
Chloroethane	ND		44.3	25.2		ug/Kg	☼	57	37 - 159
Chloroform	ND		44.3	43.8		ug/Kg	☼	99	73 - 126
Chloromethane	ND		44.3	50.5		ug/Kg	☼	114	46 - 151
cis-1,2-Dichloroethene	ND		44.3	43.1		ug/Kg	☼	97	77 - 118
cis-1,3-Dichloropropene	ND		44.3	42.2		ug/Kg	☼	95	73 - 127
Cyclohexane	ND		44.3	43.0		ug/Kg	☼	97	63 - 143
1,2-Dibromo-3-Chloropropane	ND		44.3	35.8		ug/Kg	☼	81	30 - 163
1,2-Dibromoethane	ND		44.3	40.4		ug/Kg	☼	91	59 - 137
1,2-Dichlorobenzene	ND		44.3	40.4		ug/Kg	☼	91	76 - 120
1,3-Dichlorobenzene	ND		44.3	42.0		ug/Kg	☼	95	77 - 121
1,4-Dichlorobenzene	ND		44.3	40.7		ug/Kg	☼	92	79 - 120
Dichlorobromomethane	ND		44.3	41.2		ug/Kg	☼	93	75 - 123
Dichlorodifluoromethane	ND		44.3	47.9		ug/Kg	☼	108	26 - 149
1,1-Dichloroethane	ND		44.3	43.9		ug/Kg	☼	99	73 - 124
1,2-Dichloroethane	ND		44.3	40.0		ug/Kg	☼	90	64 - 140
1,1-Dichloroethene	ND		44.3	44.3		ug/Kg	☼	100	55 - 136
1,2-Dichloroethene, Total	ND		88.6	87.2		ug/Kg	☼	98	77 - 119
1,2-Dichloropropane	ND		44.3	42.7		ug/Kg	☼	96	77 - 119
1,4-Dioxane	ND		886	830	J	ug/Kg	☼	94	18 - 166
Ethylbenzene	ND		44.3	42.5		ug/Kg	☼	96	79 - 119
2-Hexanone	ND		44.3	38.6		ug/Kg	☼	87	42 - 152
Isopropylbenzene	ND		44.3	43.2		ug/Kg	☼	97	70 - 125
Methyl acetate	ND		88.6	92.8		ug/Kg	☼	105	20 - 170
Methylcyclohexane	ND		44.3	42.8		ug/Kg	☼	97	70 - 125
Methylene Chloride	ND		44.3	46.4		ug/Kg	☼	105	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		44.3	36.0		ug/Kg	☼	81	51 - 147
Methyl tert-butyl ether	ND		44.3	40.0		ug/Kg	☼	90	58 - 132
m-Xylene & p-Xylene	ND		44.3	42.2		ug/Kg	☼	95	77 - 120
o-Xylene	ND		44.3	41.8		ug/Kg	☼	94	78 - 118
Styrene	ND		44.3	41.5		ug/Kg	☼	94	80 - 120
1,1,2,2-Tetrachloroethane	ND		44.3	38.0		ug/Kg	☼	86	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159816-8 MS
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		44.3	41.5		ug/Kg	☼	94	71 - 121
Toluene	ND		44.3	43.5		ug/Kg	☼	98	76 - 120
trans-1,2-Dichloroethene	ND		44.3	44.1		ug/Kg	☼	100	75 - 122
trans-1,3-Dichloropropene	ND		44.3	40.2		ug/Kg	☼	91	68 - 133
1,2,3-Trichlorobenzene	ND		44.3	40.9		ug/Kg	☼	92	29 - 166
1,2,4-Trichlorobenzene	ND		44.3	40.0		ug/Kg	☼	90	22 - 170
1,1,1-Trichloroethane	ND		44.3	43.6		ug/Kg	☼	98	72 - 134
1,1,2-Trichloroethane	ND		44.3	40.0		ug/Kg	☼	90	66 - 128
Trichloroethene	ND		44.3	42.0		ug/Kg	☼	95	69 - 118
Trichlorofluoromethane	ND		44.3	42.1		ug/Kg	☼	95	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		44.3	42.4		ug/Kg	☼	96	59 - 135
Vinyl chloride	ND		44.3	45.0		ug/Kg	☼	101	64 - 134
Xylenes, Total	ND		88.6	84.0		ug/Kg	☼	95	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: 180-159816-8 MSD
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		46.0	53.6		ug/Kg	☼	117	23 - 170	1	35
Benzene	ND		46.0	46.1		ug/Kg	☼	100	77 - 120	4	20
Bromoform	ND		46.0	35.0		ug/Kg	☼	76	37 - 147	3	23
Bromomethane	ND		46.0	33.2		ug/Kg	☼	72	47 - 149	1	25
2-Butanone (MEK)	ND		46.0	45.4		ug/Kg	☼	99	39 - 157	4	33
Carbon disulfide	ND		46.0	46.1		ug/Kg	☼	100	40 - 156	3	25
Carbon tetrachloride	ND		46.0	43.0		ug/Kg	☼	93	73 - 130	4	21
Chlorobenzene	ND		46.0	41.9		ug/Kg	☼	91	79 - 122	3	20
Chlorobromomethane	ND		46.0	41.4		ug/Kg	☼	90	64 - 128	5	20
Chlorodibromomethane	ND		46.0	38.2		ug/Kg	☼	83	60 - 134	4	40
Chloroethane	ND		46.0	24.6		ug/Kg	☼	53	37 - 159	3	25
Chloroform	ND		46.0	45.3		ug/Kg	☼	98	73 - 126	3	20
Chloromethane	ND		46.0	54.1		ug/Kg	☼	118	46 - 151	7	33
cis-1,2-Dichloroethene	ND		46.0	44.6		ug/Kg	☼	97	77 - 118	4	20
cis-1,3-Dichloropropene	ND		46.0	43.3		ug/Kg	☼	94	73 - 127	3	20
Cyclohexane	ND		46.0	45.2		ug/Kg	☼	98	63 - 143	5	25
1,2-Dibromo-3-Chloropropane	ND		46.0	38.4		ug/Kg	☼	83	30 - 163	7	34
1,2-Dibromoethane	ND		46.0	41.2		ug/Kg	☼	90	59 - 137	2	20
1,2-Dichlorobenzene	ND		46.0	42.0		ug/Kg	☼	91	76 - 120	4	20
1,3-Dichlorobenzene	ND		46.0	43.5		ug/Kg	☼	95	77 - 121	3	20
1,4-Dichlorobenzene	ND		46.0	42.1		ug/Kg	☼	92	79 - 120	3	20
Dichlorobromomethane	ND		46.0	42.9		ug/Kg	☼	93	75 - 123	4	20
Dichlorodifluoromethane	ND		46.0	48.0		ug/Kg	☼	104	26 - 149	0	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-159816-8 MSD
Matrix: Solid
Analysis Batch: 441697

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		46.0	45.8		ug/Kg	☼	100	73 - 124	4	20
1,2-Dichloroethane	ND		46.0	41.1		ug/Kg	☼	89	64 - 140	3	20
1,1-Dichloroethene	ND		46.0	46.3		ug/Kg	☼	101	55 - 136	4	21
1,2-Dichloroethene, Total	ND		92.0	91.0		ug/Kg	☼	99	77 - 119	4	20
1,2-Dichloropropane	ND		46.0	44.3		ug/Kg	☼	96	77 - 119	4	20
1,4-Dioxane	ND		920	960	J	ug/Kg	☼	104	18 - 166	15	40
Ethylbenzene	ND		46.0	43.6		ug/Kg	☼	95	79 - 119	3	20
2-Hexanone	ND		46.0	37.9		ug/Kg	☼	82	42 - 152	2	30
Isopropylbenzene	ND		46.0	44.7		ug/Kg	☼	97	70 - 125	4	21
Methyl acetate	ND		92.0	101		ug/Kg	☼	109	20 - 170	8	33
Methylcyclohexane	ND		46.0	44.6		ug/Kg	☼	97	70 - 125	4	22
Methylene Chloride	ND		46.0	47.2		ug/Kg	☼	103	67 - 131	2	32
4-Methyl-2-pentanone (MIBK)	ND		46.0	35.8		ug/Kg	☼	78	51 - 147	0	27
Methyl tert-butyl ether	ND		46.0	40.9		ug/Kg	☼	89	58 - 132	2	24
m-Xylene & p-Xylene	ND		46.0	43.6		ug/Kg	☼	95	77 - 120	3	20
o-Xylene	ND		46.0	43.2		ug/Kg	☼	94	78 - 118	3	20
Styrene	ND		46.0	42.8		ug/Kg	☼	93	80 - 120	3	20
1,1,2,2-Tetrachloroethane	ND		46.0	39.2		ug/Kg	☼	85	36 - 170	3	23
Tetrachloroethene	ND		46.0	43.5		ug/Kg	☼	95	71 - 121	5	21
Toluene	ND		46.0	44.7		ug/Kg	☼	97	76 - 120	3	20
trans-1,2-Dichloroethene	ND		46.0	46.4		ug/Kg	☼	101	75 - 122	5	20
trans-1,3-Dichloropropene	ND		46.0	41.9		ug/Kg	☼	91	68 - 133	4	20
1,2,3-Trichlorobenzene	ND		46.0	41.8		ug/Kg	☼	91	29 - 166	2	40
1,2,4-Trichlorobenzene	ND		46.0	42.4		ug/Kg	☼	92	22 - 170	6	29
1,1,1-Trichloroethane	ND		46.0	44.5		ug/Kg	☼	97	72 - 134	2	20
1,1,2-Trichloroethane	ND		46.0	41.8		ug/Kg	☼	91	66 - 128	4	21
Trichloroethene	ND		46.0	43.0		ug/Kg	☼	94	69 - 118	2	20
Trichlorofluoromethane	ND		46.0	42.9		ug/Kg	☼	93	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46.0	43.5		ug/Kg	☼	95	59 - 135	2	28
Vinyl chloride	ND		46.0	46.6		ug/Kg	☼	101	64 - 134	3	23
Xylenes, Total	ND		92.0	86.8		ug/Kg	☼	94	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*104*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-441601/1-A
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Acenaphthylene	ND		67	15	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Acetophenone	ND		670	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-441601/1-A
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Atrazine	ND		670	150	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Benzaldehyde	ND		670	41	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Caprolactam	ND		1700	220	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Carbazole	ND		67	16	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4-Chloroaniline	ND		330	88	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2-Chlorophenol	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Chrysene	ND		67	37	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Dibenzofuran	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Diethyl phthalate	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
1,4-Dioxane	ND		670	100	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Fluoranthene	ND		67	18	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Fluorene	ND		67	13	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Hexachloroethane	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Isophorone	ND		330	130	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2-Methylphenol	ND		330	96	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Naphthalene	ND		67	13	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/27/23 07:45	07/27/23 11:58	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-441601/1-A
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Nitrobenzene	ND		670	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2-Nitrophenol	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Phenanthrene	ND		67	18	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Phenol	ND		330	100	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
Pyrene	ND		67	16	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/27/23 07:45	07/27/23 11:58	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/27/23 07:45	07/27/23 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*07/27/23 07:45*	*07/27/23 11:58*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*07/27/23 07:45*	*07/27/23 11:58*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*07/27/23 07:45*	*07/27/23 11:58*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*07/27/23 07:45*	*07/27/23 11:58*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*07/27/23 07:45*	*07/27/23 11:58*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*34 - 108*	*07/27/23 07:45*	*07/27/23 11:58*	*1*

Lab Sample ID: LCS 180-441601/2-A
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4480		ug/Kg		67	50 - 100
Acenaphthylene	6670	5010		ug/Kg		75	52 - 100
Acetophenone	6670	4080		ug/Kg		61	48 - 100
Anthracene	6670	4850		ug/Kg		73	53 - 100
Atrazine	6670	3300		ug/Kg		49	49 - 103
Benzaldehyde	6670	4420		ug/Kg		66	23 - 105
Benzo[a]anthracene	6670	5000		ug/Kg		75	51 - 100
Benzo[a]pyrene	6670	5120		ug/Kg		77	51 - 100
Benzo[b]fluoranthene	6670	4380		ug/Kg		66	48 - 100
Benzo[g,h,i]perylene	6670	4500		ug/Kg		67	48 - 105
Benzo[k]fluoranthene	6670	4770		ug/Kg		72	19 - 100
1,1'-Biphenyl	6670	4640		ug/Kg		70	50 - 100
Bis(2-chloroethoxy)methane	6670	4390		ug/Kg		66	49 - 100
Bis(2-chloroethyl)ether	6670	4520		ug/Kg		68	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5230		ug/Kg		78	53 - 107
4-Bromophenyl phenyl ether	6670	5040		ug/Kg		76	52 - 101
Butyl benzyl phthalate	6670	5280		ug/Kg		79	52 - 107
Caprolactam	6670	6320		ug/Kg		95	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-441601/2-A
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4960		ug/Kg		74	53 - 100
4-Chloroaniline	6670	3750		ug/Kg		56	47 - 100
4-Chloro-3-methylphenol	6670	4800		ug/Kg		72	49 - 106
2-Chloronaphthalene	6670	4660		ug/Kg		70	51 - 100
2-Chlorophenol	6670	5100		ug/Kg		77	51 - 100
4-Chlorophenyl phenyl ether	6670	4670		ug/Kg		70	52 - 100
Chrysene	6670	4680		ug/Kg		70	50 - 100
Dibenz(a,h)anthracene	6670	4680		ug/Kg		70	50 - 107
Dibenzofuran	6670	4550		ug/Kg		68	52 - 100
3,3'-Dichlorobenzidine	6670	4540		ug/Kg		68	43 - 100
2,4-Dichlorophenol	6670	4970		ug/Kg		75	53 - 101
Diethyl phthalate	6670	5110		ug/Kg		77	48 - 104
2,4-Dimethylphenol	6670	4200		ug/Kg		63	51 - 101
Dimethyl phthalate	6670	4920		ug/Kg		74	53 - 100
Di-n-butyl phthalate	6670	5060		ug/Kg		76	57 - 102
4,6-Dinitro-2-methylphenol	13300	9710		ug/Kg		73	51 - 100
2,4-Dinitrophenol	13300	9170		ug/Kg		69	33 - 101
2,4-Dinitrotoluene	6670	5150		ug/Kg		77	54 - 104
2,6-Dinitrotoluene	6670	4970		ug/Kg		75	51 - 106
Di-n-octyl phthalate	6670	5790		ug/Kg		87	41 - 106
1,4-Dioxane	6670	5460		ug/Kg		82	25 - 125
Fluoranthene	6670	5120		ug/Kg		77	55 - 100
Fluorene	6670	4560		ug/Kg		68	52 - 100
Hexachlorobenzene	6670	5000		ug/Kg		75	49 - 100
Hexachlorobutadiene	6670	4770		ug/Kg		72	38 - 107
Hexachlorocyclopentadiene	6670	3890		ug/Kg		58	33 - 117
Hexachloroethane	6670	4720		ug/Kg		71	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4750		ug/Kg		71	51 - 103
Isophorone	6670	4270		ug/Kg		64	48 - 105
2-Methylnaphthalene	6670	4810		ug/Kg		72	53 - 100
2-Methylphenol	6670	4500		ug/Kg		68	50 - 101
Methylphenol, 3 & 4	6670	4340		ug/Kg		65	50 - 103
Naphthalene	6670	4540		ug/Kg		68	51 - 100
2-Nitroaniline	6670	5170		ug/Kg		78	42 - 123
3-Nitroaniline	6670	4850		ug/Kg		73	50 - 103
4-Nitroaniline	6670	5100		ug/Kg		76	52 - 103
Nitrobenzene	6670	4890		ug/Kg		73	44 - 108
2-Nitrophenol	6670	5500		ug/Kg		83	55 - 107
4-Nitrophenol	13300	11900		ug/Kg		89	30 - 134
N-Nitrosodi-n-propylamine	6670	4580		ug/Kg		69	45 - 107
N-Nitrosodiphenylamine	6670	4900		ug/Kg		74	52 - 100
2,2'-oxybis[1-chloropropane]	6670	3840		ug/Kg		58	30 - 113
Pentachlorophenol	13300	11200		ug/Kg		84	42 - 110
Phenanthrene	6670	4630		ug/Kg		69	53 - 100
Phenol	6670	4410		ug/Kg		66	49 - 100
Pyrene	6670	4830		ug/Kg		72	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4440		ug/Kg		67	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4850		ug/Kg		73	47 - 104
2,4,5-Trichlorophenol	6670	4890		ug/Kg		73	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-441601/2-A
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441601

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	5110		ug/Kg		77	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*
Phenol-d5 (Surr)	*70*		*46 - 105*
Terphenyl-d14 (Surr)	*66*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*

Lab Sample ID: 180-159816-8 MS
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7710	5490		ug/Kg	☼	71	50 - 100		
Acenaphthylene	ND		7710	6180		ug/Kg	☼	80	52 - 100		
Acetophenone	ND		7710	4590		ug/Kg	☼	59	48 - 100		
Anthracene	ND		7710	6000		ug/Kg	☼	78	53 - 100		
Atrazine	ND	F1 F2	7710	964	F1	ug/Kg	☼	13	49 - 103		
Benzaldehyde	ND	F1	7710	581	J F1	ug/Kg	☼	8	23 - 105		
Benzo[a]anthracene	ND		7710	6390		ug/Kg	☼	83	51 - 100		
Benzo[a]pyrene	ND		7710	6460		ug/Kg	☼	84	51 - 100		
Benzo[b]fluoranthene	ND		7710	5370		ug/Kg	☼	70	48 - 100		
Benzo[g,h,i]perylene	ND		7710	5900		ug/Kg	☼	77	48 - 105		
Benzo[k]fluoranthene	ND		7710	5830		ug/Kg	☼	76	19 - 100		
1,1'-Biphenyl	ND		7710	5680		ug/Kg	☼	74	50 - 100		
Bis(2-chloroethoxy)methane	ND		7710	5380		ug/Kg	☼	70	49 - 100		
Bis(2-chloroethyl)ether	ND		7710	5210		ug/Kg	☼	68	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7710	7010		ug/Kg	☼	91	53 - 107		
4-Bromophenyl phenyl ether	ND		7710	6340		ug/Kg	☼	82	52 - 101		
Butyl benzyl phthalate	ND		7710	7090		ug/Kg	☼	92	52 - 107		
Caprolactam	ND		7710	5320		ug/Kg	☼	69	48 - 111		
Carbazole	ND		7710	5980		ug/Kg	☼	78	53 - 100		
4-Chloroaniline	ND	F1	7710	ND	F1	ug/Kg	☼	0	47 - 100		
4-Chloro-3-methylphenol	ND		7710	5410		ug/Kg	☼	70	49 - 106		
2-Chloronaphthalene	ND		7710	5740		ug/Kg	☼	74	51 - 100		
2-Chlorophenol	ND		7710	5970		ug/Kg	☼	77	51 - 100		
4-Chlorophenyl phenyl ether	ND		7710	5640		ug/Kg	☼	73	52 - 100		
Chrysene	ND		7710	5810		ug/Kg	☼	75	50 - 100		
Dibenz(a,h)anthracene	ND		7710	6030		ug/Kg	☼	78	50 - 107		
Dibenzofuran	ND		7710	5590		ug/Kg	☼	73	52 - 100		
3,3'-Dichlorobenzidine	ND		7710	4590		ug/Kg	☼	60	43 - 100		
2,4-Dichlorophenol	ND		7710	6060		ug/Kg	☼	79	53 - 101		
Diethyl phthalate	ND		7710	6290		ug/Kg	☼	82	48 - 104		
2,4-Dimethylphenol	ND		7710	5230		ug/Kg	☼	68	51 - 101		
Dimethyl phthalate	ND		7710	6100		ug/Kg	☼	79	53 - 100		
Di-n-butyl phthalate	ND		7710	6240		ug/Kg	☼	81	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159816-8 MS
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441601

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND	F2	15400	10900		ug/Kg	☼	71	51 - 100
2,4-Dinitrophenol	ND	F1	15400	ND	F1	ug/Kg	☼	0	33 - 101
2,4-Dinitrotoluene	ND		7710	6250		ug/Kg	☼	81	54 - 104
2,6-Dinitrotoluene	ND		7710	6150		ug/Kg	☼	80	51 - 106
Di-n-octyl phthalate	ND		7710	8160		ug/Kg	☼	106	41 - 106
1,4-Dioxane	ND		7710	4670		ug/Kg	☼	61	25 - 125
Fluoranthene	ND		7710	6060		ug/Kg	☼	79	55 - 100
Fluorene	ND		7710	5560		ug/Kg	☼	72	52 - 100
Hexachlorobenzene	ND		7710	6230		ug/Kg	☼	81	49 - 100
Hexachlorobutadiene	ND		7710	5570		ug/Kg	☼	72	38 - 107
Hexachlorocyclopentadiene	ND	F1	7710	900	F1	ug/Kg	☼	12	33 - 117
Hexachloroethane	ND	F2	7710	5260		ug/Kg	☼	68	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7710	6150		ug/Kg	☼	80	51 - 103
Isophorone	ND		7710	5160		ug/Kg	☼	67	48 - 105
2-Methylnaphthalene	ND		7710	5840		ug/Kg	☼	76	53 - 100
2-Methylphenol	ND		7710	5470		ug/Kg	☼	71	50 - 101
Methylphenol, 3 & 4	ND		7710	5220		ug/Kg	☼	68	50 - 103
Naphthalene	ND		7710	5510		ug/Kg	☼	71	51 - 100
2-Nitroaniline	ND		7710	6330		ug/Kg	☼	82	42 - 123
3-Nitroaniline	ND		7710	5290		ug/Kg	☼	69	50 - 103
4-Nitroaniline	ND		7710	5620		ug/Kg	☼	73	52 - 103
Nitrobenzene	ND		7710	5860		ug/Kg	☼	76	44 - 108
2-Nitrophenol	ND		7710	6290		ug/Kg	☼	82	55 - 107
4-Nitrophenol	ND		15400	13500		ug/Kg	☼	88	30 - 134
N-Nitrosodi-n-propylamine	ND		7710	5470		ug/Kg	☼	71	45 - 107
N-Nitrosodiphenylamine	ND		7710	6130		ug/Kg	☼	79	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7710	4450		ug/Kg	☼	58	30 - 113
Pentachlorophenol	ND	F1	15400	7540		ug/Kg	☼	49	42 - 110
Phenanthrene	ND		7710	5690		ug/Kg	☼	74	53 - 100
Phenol	ND		7710	4900		ug/Kg	☼	63	49 - 100
Pyrene	ND		7710	6360		ug/Kg	☼	83	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7710	5410		ug/Kg	☼	70	41 - 104
2,3,4,6-Tetrachlorophenol	ND	F2	7710	4810		ug/Kg	☼	62	47 - 104
2,4,5-Trichlorophenol	ND		7710	5710		ug/Kg	☼	74	50 - 104
2,4,6-Trichlorophenol	ND		7710	5430		ug/Kg	☼	70	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*
Phenol-d5 (Surr)	*68*		*46 - 105*
Terphenyl-d14 (Surr)	*74*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*73*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159816-8 MSD
Client Sample ID: SSHS-ISMP-NAF-UT-B33
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 441661
Prep Batch: 441601

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7660	4850		ug/Kg	☼	63	50 - 100	12	20
Acenaphthylene	ND		7660	5520		ug/Kg	☼	72	52 - 100	11	20
Acetophenone	ND		7660	4050		ug/Kg	☼	53	48 - 100	12	17
Anthracene	ND		7660	5130		ug/Kg	☼	67	53 - 100	15	20
Atrazine	ND	F1 F2	7660	697	J F1 F2	ug/Kg	☼	9	49 - 103	32	19
Benzaldehyde	ND	F1	7660	518	J F1	ug/Kg	☼	7	23 - 105	11	31
Benzo[a]anthracene	ND		7660	5470		ug/Kg	☼	71	51 - 100	16	21
Benzo[a]pyrene	ND		7660	5490		ug/Kg	☼	72	51 - 100	16	20
Benzo[b]fluoranthene	ND		7660	4530		ug/Kg	☼	59	48 - 100	17	20
Benzo[g,h,i]perylene	ND		7660	4950		ug/Kg	☼	65	48 - 105	18	19
Benzo[k]fluoranthene	ND		7660	5150		ug/Kg	☼	67	19 - 100	12	20
1,1'-Biphenyl	ND		7660	5070		ug/Kg	☼	66	50 - 100	11	19
Bis(2-chloroethoxy)methane	ND		7660	4670		ug/Kg	☼	61	49 - 100	14	20
Bis(2-chloroethyl)ether	ND		7660	4480		ug/Kg	☼	58	48 - 100	15	18
Bis(2-ethylhexyl) phthalate	ND		7660	5970		ug/Kg	☼	78	53 - 107	16	20
4-Bromophenyl phenyl ether	ND		7660	5450		ug/Kg	☼	71	52 - 101	15	20
Butyl benzyl phthalate	ND		7660	5970		ug/Kg	☼	78	52 - 107	17	19
Caprolactam	ND		7660	4490		ug/Kg	☼	59	48 - 111	17	23
Carbazole	ND		7660	5140		ug/Kg	☼	67	53 - 100	15	20
4-Chloroaniline	ND	F1	7660	ND	F1	ug/Kg	☼	0	47 - 100	NC	20
4-Chloro-3-methylphenol	ND		7660	4730		ug/Kg	☼	62	49 - 106	13	20
2-Chloronaphthalene	ND		7660	5140		ug/Kg	☼	67	51 - 100	11	20
2-Chlorophenol	ND		7660	5250		ug/Kg	☼	69	51 - 100	13	17
4-Chlorophenyl phenyl ether	ND		7660	5010		ug/Kg	☼	65	52 - 100	12	19
Chrysene	ND		7660	5050		ug/Kg	☼	66	50 - 100	14	20
Dibenz(a,h)anthracene	ND		7660	5000		ug/Kg	☼	65	50 - 107	19	21
Dibenzofuran	ND		7660	4930		ug/Kg	☼	64	52 - 100	13	19
3,3'-Dichlorobenzidine	ND		7660	4250		ug/Kg	☼	55	43 - 100	8	19
2,4-Dichlorophenol	ND		7660	5190		ug/Kg	☼	68	53 - 101	15	22
Diethyl phthalate	ND		7660	5420		ug/Kg	☼	71	48 - 104	15	20
2,4-Dimethylphenol	ND		7660	4520		ug/Kg	☼	59	51 - 101	15	32
Dimethyl phthalate	ND		7660	5280		ug/Kg	☼	69	53 - 100	14	21
Di-n-butyl phthalate	ND		7660	5330		ug/Kg	☼	70	57 - 102	16	20
4,6-Dinitro-2-methylphenol	ND	F2	15300	8350	F2	ug/Kg	☼	54	51 - 100	27	22
2,4-Dinitrophenol	ND	F1	15300	ND	F1	ug/Kg	☼	0	33 - 101	NC	20
2,4-Dinitrotoluene	ND		7660	5370		ug/Kg	☼	70	54 - 104	15	20
2,6-Dinitrotoluene	ND		7660	5270		ug/Kg	☼	69	51 - 106	15	20
Di-n-octyl phthalate	ND		7660	6800		ug/Kg	☼	89	41 - 106	18	18
1,4-Dioxane	ND		7660	4010		ug/Kg	☼	52	25 - 125	15	17
Fluoranthene	ND		7660	5190		ug/Kg	☼	68	55 - 100	16	20
Fluorene	ND		7660	4810		ug/Kg	☼	63	52 - 100	14	19
Hexachlorobenzene	ND		7660	5350		ug/Kg	☼	70	49 - 100	15	20
Hexachlorobutadiene	ND		7660	4740		ug/Kg	☼	62	38 - 107	16	22
Hexachlorocyclopentadiene	ND	F1	7660	749	F1	ug/Kg	☼	10	33 - 117	18	19
Hexachloroethane	ND	F2	7660	4220	F2	ug/Kg	☼	55	47 - 100	22	17
Indeno[1,2,3-cd]pyrene	ND		7660	5170		ug/Kg	☼	68	51 - 103	17	19
Isophorone	ND		7660	4420		ug/Kg	☼	58	48 - 105	15	20
2-Methylnaphthalene	ND		7660	4970		ug/Kg	☼	65	53 - 100	16	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-159816-8 MSD
Matrix: Solid
Analysis Batch: 441661

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441601

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7660	4840		ug/Kg	☼	63	50 - 101	12	17
Methylphenol, 3 & 4	ND		7660	4820		ug/Kg	☼	63	50 - 103	8	19
Naphthalene	ND		7660	4740		ug/Kg	☼	62	51 - 100	15	20
2-Nitroaniline	ND		7660	5490		ug/Kg	☼	72	42 - 123	14	19
3-Nitroaniline	ND		7660	4530		ug/Kg	☼	59	50 - 103	16	20
4-Nitroaniline	ND		7660	5010		ug/Kg	☼	65	52 - 103	12	18
Nitrobenzene	ND		7660	5030		ug/Kg	☼	66	44 - 108	15	21
2-Nitrophenol	ND		7660	5400		ug/Kg	☼	70	55 - 107	15	19
4-Nitrophenol	ND		15300	11300		ug/Kg	☼	74	30 - 134	18	18
N-Nitrosodi-n-propylamine	ND		7660	4750		ug/Kg	☼	62	45 - 107	14	18
N-Nitrosodiphenylamine	ND		7660	5260		ug/Kg	☼	69	52 - 100	15	20
2,2'-oxybis[1-chloropropane]	ND		7660	3870		ug/Kg	☼	50	30 - 113	14	17
Pentachlorophenol	ND	F1	15300	6350	F1	ug/Kg	☼	41	42 - 110	17	20
Phenanthrene	ND		7660	4880		ug/Kg	☼	64	53 - 100	15	20
Phenol	ND		7660	4400		ug/Kg	☼	57	49 - 100	11	16
Pyrene	ND		7660	5490		ug/Kg	☼	72	52 - 100	15	20
1,2,4,5-Tetrachlorobenzene	ND		7660	4890		ug/Kg	☼	64	41 - 104	10	21
2,3,4,6-Tetrachlorophenol	ND	F2	7660	3890	F2	ug/Kg	☼	51	47 - 104	21	18
2,4,5-Trichlorophenol	ND		7660	4960		ug/Kg	☼	65	50 - 104	14	21
2,4,6-Trichlorophenol	ND		7660	4850		ug/Kg	☼	63	50 - 105	11	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*44 - 105*
2-Fluorophenol (Surr)	*69*		*48 - 105*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*
Phenol-d5 (Surr)	*65*		*46 - 105*
Terphenyl-d14 (Surr)	*67*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-441600/1-C
Matrix: Solid
Analysis Batch: 441735

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1221	ND		17	5.9	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1232	ND		17	4.1	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1242	ND		17	2.4	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1248	ND		17	4.0	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1254	ND		17	5.0	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1260	ND		17	4.7	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1262	ND		17	5.9	ug/Kg		07/27/23 07:32	07/28/23 12:19	1
PCB-1268	ND		17	2.2	ug/Kg		07/27/23 07:32	07/28/23 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*07/27/23 07:32*	*07/28/23 12:19*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-441600/1-C
Matrix: Solid
Analysis Batch: 441735

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441600

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	107		63 - 138	07/27/23 07:32	07/28/23 12:19	1
Tetrachloro-m-xylene (Surr)	116		55 - 135	07/27/23 07:32	07/28/23 12:19	1
Tetrachloro-m-xylene (Surr)	115		55 - 135	07/27/23 07:32	07/28/23 12:19	1

Lab Sample ID: LCS 180-441600/2-C
Matrix: Solid
Analysis Batch: 441735

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441600

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1800		ug/Kg		135	43 - 136		
PCB-1260			1330	1450		ug/Kg		109	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	110		63 - 138
DCB Decachlorobiphenyl (Surr)	110		63 - 138
Tetrachloro-m-xylene (Surr)	143	S1+	55 - 135
Tetrachloro-m-xylene (Surr)	150	S1+	55 - 135

Lab Sample ID: 180-159816-8 MS
Matrix: Solid
Analysis Batch: 441735

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441600

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1550	1840		ug/Kg	☼	119	43 - 136		
PCB-1260	ND		1550	1470		ug/Kg	☼	94	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	91		63 - 138
DCB Decachlorobiphenyl (Surr)	90		63 - 138
Tetrachloro-m-xylene (Surr)	127		55 - 135
Tetrachloro-m-xylene (Surr)	131		55 - 135

Lab Sample ID: 180-159816-8 MSD
Matrix: Solid
Analysis Batch: 441735

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441600

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1550	1760		ug/Kg	☼	113	43 - 136	4	40
PCB-1260	ND		1550	1340		ug/Kg	☼	86	55 - 128	9	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	85		63 - 138
DCB Decachlorobiphenyl (Surr)	81		63 - 138
Tetrachloro-m-xylene (Surr)	122		55 - 135
Tetrachloro-m-xylene (Surr)	125		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-441504/1-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	4.9	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Antimony	ND		0.98	0.30	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Arsenic	ND		0.98	0.61	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Barium	ND		20	3.5	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Beryllium	ND		0.39	0.11	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Cadmium	ND		0.49	0.072	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Calcium	ND		490	63	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Chromium	ND		0.49	0.45	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Cobalt	ND		4.9	0.69	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Copper	ND		2.5	1.5	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Iron	ND		9.8	9.5	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Lead	ND		0.98	0.85	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Magnesium	ND		490	54	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Manganese	ND		1.5	0.27	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Nickel	ND		3.9	0.49	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Potassium	ND		490	83	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Selenium	ND		0.98	0.45	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Silver	ND		0.49	0.10	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Sodium	ND		490	50	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Thallium	ND		2.0	0.28	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Vanadium	ND		4.9	0.78	mg/Kg		07/26/23 12:30	07/27/23 16:58	1
Zinc	ND		2.0	1.4	mg/Kg		07/26/23 12:30	07/27/23 16:58	1

Lab Sample ID: LCS 180-441504/2-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	472	441		mg/Kg		94	80 - 120
Antimony	23.6	21.9		mg/Kg		93	80 - 120
Arsenic	94.3	90.2		mg/Kg		96	80 - 120
Barium	94.3	87.4		mg/Kg		93	80 - 120
Beryllium	47.2	44.4		mg/Kg		94	80 - 120
Cadmium	47.2	43.9		mg/Kg		93	80 - 120
Calcium	2360	2240		mg/Kg		95	80 - 120
Chromium	47.2	42.9		mg/Kg		91	80 - 120
Cobalt	47.2	42.9		mg/Kg		91	80 - 120
Copper	47.2	43.0		mg/Kg		91	80 - 120
Iron	472	450		mg/Kg		95	80 - 120
Lead	47.2	42.9		mg/Kg		91	80 - 120
Magnesium	2360	2200		mg/Kg		93	80 - 120
Manganese	47.2	43.0		mg/Kg		91	80 - 120
Nickel	47.2	43.5		mg/Kg		92	80 - 120
Potassium	2360	1990		mg/Kg		85	80 - 120
Selenium	94.3	90.6		mg/Kg		96	80 - 120
Silver	23.6	21.3		mg/Kg		90	80 - 120
Sodium	2360	2240		mg/Kg		95	80 - 120
Thallium	94.3	84.0		mg/Kg		89	80 - 120
Vanadium	47.2	42.1		mg/Kg		89	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-441504/2-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441504

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Zinc			23.6	22.7		mg/Kg		96	80 - 120		

Lab Sample ID: 180-159816-8 MS
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	13000		373	13000	4	mg/Kg	☼	-37	75 - 125		
Antimony	ND	F1	18.7	5.08	F1	mg/Kg	☼	27	75 - 125		
Arsenic	8.7		74.7	74.6		mg/Kg	☼	88	75 - 125		
Barium	49		74.7	133		mg/Kg	☼	112	75 - 125		
Beryllium	0.53		37.3	35.4		mg/Kg	☼	93	75 - 125		
Cadmium	0.58		37.3	33.5		mg/Kg	☼	88	75 - 125		
Calcium	1100		1870	2790		mg/Kg	☼	92	75 - 125		
Chromium	13		37.3	45.7		mg/Kg	☼	87	75 - 125		
Cobalt	9.1		37.3	44.8		mg/Kg	☼	96	75 - 125		
Copper	17		37.3	49.5		mg/Kg	☼	87	75 - 125		
Iron	21000		373	18700	4	mg/Kg	☼	-743	75 - 125		
Lead	9.8		37.3	45.0		mg/Kg	☼	94	75 - 125		
Magnesium	2800	F1	1870	4220	F1	mg/Kg	☼	74	75 - 125		
Manganese	340		37.3	437	4	mg/Kg	☼	248	75 - 125		
Nickel	18		37.3	55.1		mg/Kg	☼	98	75 - 125		
Potassium	510		1870	2110		mg/Kg	☼	86	75 - 125		
Selenium	ND		74.7	69.1		mg/Kg	☼	93	75 - 125		
Silver	ND		18.7	17.4		mg/Kg	☼	93	75 - 125		
Sodium	ND		1870	1860		mg/Kg	☼	100	75 - 125		
Thallium	ND		74.7	68.9		mg/Kg	☼	92	75 - 125		
Vanadium	17		37.3	48.4		mg/Kg	☼	83	75 - 125		
Zinc	58	F1	18.7	71.5	F1	mg/Kg	☼	71	75 - 125		

Lab Sample ID: 180-159816-8 MSD
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-B33
Prep Type: Total/NA
Prep Batch: 441504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	13000		364	12000	4	mg/Kg	☼	-298	75 - 125	8	20
Antimony	ND	F1	18.2	5.02	F1	mg/Kg	☼	28	75 - 125	1	20
Arsenic	8.7		72.8	73.1		mg/Kg	☼	88	75 - 125	2	20
Barium	49		72.8	117		mg/Kg	☼	93	75 - 125	13	20
Beryllium	0.53		36.4	33.8		mg/Kg	☼	91	75 - 125	4	20
Cadmium	0.58		36.4	32.5		mg/Kg	☼	88	75 - 125	3	20
Calcium	1100		1820	2700		mg/Kg	☼	90	75 - 125	3	20
Chromium	13		36.4	44.4		mg/Kg	☼	86	75 - 125	3	20
Cobalt	9.1		36.4	43.3		mg/Kg	☼	94	75 - 125	4	20
Copper	17		36.4	49.0		mg/Kg	☼	87	75 - 125	1	20
Iron	21000		364	19000	4	mg/Kg	☼	-680	75 - 125	2	20
Lead	9.8		36.4	44.4		mg/Kg	☼	95	75 - 125	1	20
Magnesium	2800	F1	1820	4030	F1	mg/Kg	☼	65	75 - 125	5	20
Manganese	340		36.4	400	4	mg/Kg	☼	154	75 - 125	9	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159816-8 MSD — **Client Sample ID: SSHS-ISMP-NAF-UT-B33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441766 — **Prep Batch: 441504**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	18		36.4	53.0		mg/Kg	☼	95	75 - 125	4	20
Potassium	510		1820	1970		mg/Kg	☼	81	75 - 125	7	20
Selenium	ND		72.8	67.1		mg/Kg	☼	92	75 - 125	3	20
Silver	ND		18.2	16.9		mg/Kg	☼	93	75 - 125	3	20
Sodium	ND		1820	1780		mg/Kg	☼	98	75 - 125	4	20
Thallium	ND		72.8	65.7		mg/Kg	☼	90	75 - 125	5	20
Vanadium	17		36.4	47.0		mg/Kg	☼	81	75 - 125	3	20
Zinc	58	F1	18.2	68.1	F1	mg/Kg	☼	54	75 - 125	5	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-441503/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441653 — **Prep Batch: 441503**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/26/23 10:56	07/27/23 09:47	1

Lab Sample ID: LCS 180-441503/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441653 — **Prep Batch: 441503**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.403		mg/Kg		97	80 - 120

Lab Sample ID: 180-159816-8 MS — **Client Sample ID: SSHS-ISMP-NAF-UT-B33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441653 — **Prep Batch: 441503**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.182	0.193		mg/Kg	☼	106	80 - 120

Lab Sample ID: 180-159816-8 MSD — **Client Sample ID: SSHS-ISMP-NAF-UT-B33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441653 — **Prep Batch: 441503**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.182	0.192		mg/Kg	☼	105	80 - 120	1	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-159816-8 DU — **Client Sample ID: SSHS-ISMP-NAF-UT-B33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 441519

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15.3		15.1		%		0.7	10
Percent Solids	84.7		84.9		%		0.1	10

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 441697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	EPA 8260C	441719
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	EPA 8260C	441719
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	EPA 8260C	441719
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	EPA 8260C	441719
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	EPA 8260C	441719
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	EPA 8260C	441719
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	EPA 8260C	441719
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8260C	441719
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	EPA 8260C	441719
MB 180-441697/6	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-441697/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-441697/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8260C	441719
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8260C	441719

Prep Batch: 441719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	5035	
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	5035	
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	5035	
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	5035	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	5035	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	5035	
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	5035	
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	5035	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	5035	
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	5035	
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 441601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	3541	
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	3541	
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	3541	
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	3541	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	3541	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	3541	
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	3541	
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3541	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	3541	
MB 180-441601/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-441601/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3541	
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3541	

Analysis Batch: 441661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	EPA 8270D	441601
MB 180-441601/1-A	Method Blank	Total/NA	Solid	EPA 8270D	441601

GC/MS Semi VOA (Continued)

Analysis Batch: 441661 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-441601/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	441601
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8270D	441601
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8270D	441601

Analysis Batch: 441737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	EPA 8270D	441601
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	EPA 8270D	441601
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	EPA 8270D	441601
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	EPA 8270D	441601
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	EPA 8270D	441601
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	EPA 8270D	441601
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8270D	441601
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	EPA 8270D	441601

GC Semi VOA

Prep Batch: 441600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	3541	
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	3541	
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	3541	
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	3541	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	3541	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	3541	
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	3541	
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3541	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	3541	
MB 180-441600/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-441600/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3541	
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3541	

Cleanup Batch: 441684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	3665A	441600
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	3665A	441600
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	3665A	441600
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	3665A	441600
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	3665A	441600
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	3665A	441600
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	3665A	441600
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3665A	441600
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	3665A	441600
MB 180-441600/1-C	Method Blank	Total/NA	Solid	3665A	441600
LCS 180-441600/2-C	Lab Control Sample	Total/NA	Solid	3665A	441600
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3665A	441600
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3665A	441600

GC Semi VOA

Cleanup Batch: 441685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	3660B	441684
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	3660B	441684
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	3660B	441684
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	3660B	441684
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	3660B	441684
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	3660B	441684
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	3660B	441684
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3660B	441684
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	3660B	441684
MB 180-441600/1-C	Method Blank	Total/NA	Solid	3660B	441684
LCS 180-441600/2-C	Lab Control Sample	Total/NA	Solid	3660B	441684
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3660B	441684
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3660B	441684

Analysis Batch: 441735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	EPA 8082A	441685
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	EPA 8082A	441685
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	EPA 8082A	441685
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	EPA 8082A	441685
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	EPA 8082A	441685
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	EPA 8082A	441685
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	EPA 8082A	441685
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8082A	441685
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	EPA 8082A	441685
MB 180-441600/1-C	Method Blank	Total/NA	Solid	EPA 8082A	441685
LCS 180-441600/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	441685
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8082A	441685
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 8082A	441685

Metals

Prep Batch: 441503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	7471B	
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	7471B	
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	7471B	
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	7471B	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	7471B	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	7471B	
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	7471B	
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	7471B	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	7471B	
MB 180-441503/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-441503/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	7471B	
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	7471B	

Prep Batch: 441504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 441504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	3050B	
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	3050B	
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	3050B	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	3050B	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	3050B	
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	3050B	
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3050B	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	3050B	
MB 180-441504/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-441504/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3050B	
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	3050B	

Analysis Batch: 441653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	EPA 7471B	441503
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	EPA 7471B	441503
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	EPA 7471B	441503
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	EPA 7471B	441503
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	EPA 7471B	441503
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	EPA 7471B	441503
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	EPA 7471B	441503
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 7471B	441503
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	EPA 7471B	441503
MB 180-441503/1-A	Method Blank	Total/NA	Solid	EPA 7471B	441503
LCS 180-441503/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	441503
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 7471B	441503
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 7471B	441503

Analysis Batch: 441766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	EPA 6010C	441504
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	EPA 6010C	441504
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	EPA 6010C	441504
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	EPA 6010C	441504
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	EPA 6010C	441504
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	EPA 6010C	441504
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	EPA 6010C	441504
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 6010C	441504
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	EPA 6010C	441504
MB 180-441504/1-A	Method Blank	Total/NA	Solid	EPA 6010C	441504
LCS 180-441504/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	441504
180-159816-8 MS	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 6010C	441504
180-159816-8 MSD	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	EPA 6010C	441504

General Chemistry

Analysis Batch: 441519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	2540G	
180-159816-2	SSHS-ISMP-NAF-UT-S90	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 441519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-3	SSHS-ISMP-NAF-UT-S91	Total/NA	Solid	2540G	
180-159816-4	SSHS-ISMP-NAF-UT-S92	Total/NA	Solid	2540G	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	2540G	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	2540G	
180-159816-7	SSHS-ISMP-NAF-UT-S94	Total/NA	Solid	2540G	
180-159816-8	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	2540G	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	2540G	
180-159816-8 DU	SSHS-ISMP-NAF-UT-B33	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	Z MILLER 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656 1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S89	7/25/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S90	7/25/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S91	7/25/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S92	7/25/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S93	7/25/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP21A ID should be SSHS-ISMP-NAF-DUP21A as per Miranda Steimach D. Dunlap 7/26/23	7/25/23	-	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S94	7/25/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B33	7/25/23	1430	G	S	N	Y	X	X	X	X			14	
SSHS-ISMP-NAF-UT-B34	7/25/23	1435	G	S	N	N	X	X	X	X	X	X	8	

180-159816 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	7/25/23 16:00	Geosyntec		7/26/23 09:41	Eurofins
2						
3						

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	PO #: MN0832I
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-159816 Chain of Custody

Preservation Codes:

HCL	M	Hexane	
NaOH	N	None	
Zn Acetate	O	AsNaO2	
Nitric Acid	P	Na2O4S	
NaHSO4	Q	Na2SO3	
MeOH	R	Na2S2O3	
Amchlor	S	H2SO4	
Ascorbic Acid	T	TSP Dodecahydrate	
Ice	U	Acetone	
DI Water	V	MCAA	
K EDTA	W	pH 4-5	
L EDA	Z	other (specify)	

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containe	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S89	7/25/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S90	7/25/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S91	7/25/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S92	7/25/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S93	7/25/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP21A	7/25/23		G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S94	7/25/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B33	7/25/23	1430	G	S	N	Y	X	X	X	X			14	
SSHS-ISMP-NAF-UT-B34	7/25/23	1435	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Zach Miller	Date/Time: 7/25/23 16.00	Company: Geosyntec	Received by:	Date/Time: 7/26/23	Company GEL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 221235 | Cooler Temperature(s) °C and Other Remarks: 5.2

Ver: 01/16/2019

7/31/2023

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Sacramento Sample Receiving Notes

180-159816 Field Sheet

Job _____

Tracking # 7724 0094 7996

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID: 402 Corr Factor: (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 221315

Cooler ID _____

Temp Observed 5.2 °C Corrected 5.2 °C

From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials MM Date 7/26/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☑ SO 7/26/23
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SO Date 7/26/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SO Date 7/26/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159816-1

Login Number: 159816
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159726-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-159726-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159726-1

Receipt
The samples were received on 7/22/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7º C and 5.1º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-441177 was below criteria for the following analytes: 2-Hexanone, Chloroethane, Acetone, and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-441213 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-441274 (CCVIS 180-441274/47 was below criteria for aroclor 1016 on both columns. A reporting limit (RL) standard was analyzed, and aroclor 1016 was detected. Since the associated samples did not have aroclor 1016 detected, the results were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-UT-S87 (180-159726-1) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 6010C: The matrix spike duplicate (MSD) of sample SSHS-ISMP-NAF-UT-S87 (180-159726-1) exceeded the linear range for iron due to spiking levels and the non-homogeneity of the sample. The results are reported with this narrative.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159726-1	SSHS-ISMP-NAF-UT-S87	Solid	07/21/23 15:15	07/22/23 09:30
180-159726-2	SSHS-ISMP-NAF-DUP20A	Solid	07/21/23 00:00	07/22/23 09:30
180-159726-3	SSHS-ISMP-NAF-UT-S88	Solid	07/21/23 15:20	07/22/23 09:30
180-159726-4	SSHS-ISMP-NAF-UT-B32	Solid	07/21/23 15:25	07/22/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Lab Sample ID: 180-159726-1
Date Collected: 07/21/23 15:15
Matrix: Solid
Date Received: 07/22/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441142	07/22/23 15:24	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Lab Sample ID: 180-159726-1
Date Collected: 07/21/23 15:15
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3468 g	5 mL	441210	07/24/23 07:34	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441177	07/24/23 10:51	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	441204	07/24/23 08:31	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441213	07/24/23 15:15	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	441202	07/24/23 08:29	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441268	07/25/23 05:18	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441269	07/25/23 05:20	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/26/23 00:34	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.95 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 21:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.95 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			442039	07/31/23 17:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.70 g	100 mL	441279	07/25/23 06:11	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 10:17	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441142	07/22/23 15:24	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1189 g	5 mL	441210	07/24/23 07:34	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441177	07/24/23 11:13	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	5.0 mL	441204	07/24/23 08:31	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441213	07/24/23 15:37	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	441202	07/24/23 08:29	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441268	07/25/23 05:18	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441269	07/25/23 05:20	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/26/23 00:53	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.90 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 22:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.90 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			442039	07/31/23 17:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.72 g	100 mL	441279	07/25/23 06:11	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 10:21	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3
Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441142	07/22/23 15:24	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3
Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3268 g	5 mL	441210	07/24/23 07:34	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441177	07/24/23 11:36	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	441204	07/24/23 08:31	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441213	07/24/23 15:58	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	441202	07/24/23 08:29	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441268	07/25/23 05:18	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441269	07/25/23 05:20	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/26/23 01:12	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.69 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 22:21	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3
Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.69 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			442039	07/31/23 17:37	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.73 g	100 mL	441279	07/25/23 06:11	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 10:22	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			441142	07/22/23 15:24	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4435 g	5 mL	441210	07/24/23 07:34	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	441177	07/24/23 11:58	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	441204	07/24/23 08:31	MEG	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	441213	07/24/23 16:20	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	441202	07/24/23 08:29	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	441268	07/25/23 05:18	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	441269	07/25/23 05:20	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	441274	07/26/23 01:31	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.73 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			441766	07/27/23 22:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.73 g	50 mL	441297	07/25/23 09:20	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			442039	07/31/23 17:42	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	441279	07/25/23 06:11	RJR	EET PIT
Total/NA	Analysis	EPA 7471B		1			441505	07/26/23 10:23	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - MEG = Megan Gray
  - PJJ = Patrick Journet
  - RJR = Ron Rosenbaum
  - S1Z = Sage Ziviello
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - AAS = Ariana Swick
  - JMO = John Oravec
  - PJJ = Patrick Journet
  - RJR = Ron Rosenbaum
  - SNR = Sabra Richart
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Lab Sample ID: 180-159726-1
Date Collected: 07/21/23 15:15
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Benzene	ND		5.4	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Styrene	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Toluene	ND		5.4	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Lab Sample ID: 180-159726-1
Date Collected: 07/21/23 15:15
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	07/24/23 07:34	07/24/23 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*	*07/24/23 07:34*	*07/24/23 10:51*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/24/23 07:34*	*07/24/23 10:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*	*07/24/23 07:34*	*07/24/23 10:51*	*1*
Toluene-d8 (Surr)	*114*		*67 - 134*	*07/24/23 07:34*	*07/24/23 10:51*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Acenaphthylene	ND		75	16	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Acetophenone	ND		750	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Anthracene	ND		75	19	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Atrazine	ND		750	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Benzaldehyde	ND		750	46	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Benzo[b]fluoranthene	ND		75	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Carbazole	ND		75	17	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Chrysene	ND		75	41	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Lab Sample ID: 180-159726-1
Date Collected: 07/21/23 15:15
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Fluoranthene	ND		75	20	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Fluorene	ND		75	15	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Naphthalene	ND		75	15	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Nitrobenzene	ND		750	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Phenanthrene	ND		75	20	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
Pyrene	ND		75	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*07/24/23 08:31*	*07/24/23 15:15*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*07/24/23 08:31*	*07/24/23 15:15*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*07/24/23 08:31*	*07/24/23 15:15*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*07/24/23 08:31*	*07/24/23 15:15*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*07/24/23 08:31*	*07/24/23 15:15*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*34 - 108*	*07/24/23 08:31*	*07/24/23 15:15*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Lab Sample ID: 180-159726-1

Date Collected: 07/21/23 15:15
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		19	6.7	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/24/23 08:29	07/26/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*07/24/23 08:29*	*07/26/23 00:34*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*07/24/23 08:29*	*07/26/23 00:34*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/24/23 08:29*	*07/26/23 00:34*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/24/23 08:29*	*07/26/23 00:34*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12	3.0	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Antimony	0.18	J F1	0.61	0.18	mg/Kg	☼	07/25/23 09:20	07/31/23 17:12	1
Arsenic	14		0.61	0.38	mg/Kg	☼	07/25/23 09:20	07/31/23 17:12	1
Barium	59	F1	12	2.2	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Beryllium	0.53		0.24	0.066	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Cadmium	0.85		0.30	0.045	mg/Kg	☼	07/25/23 09:20	07/31/23 17:12	1
Calcium	2200	F1 F2	300	39	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Chromium	14		0.30	0.28	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Cobalt	11		3.0	0.43	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Copper	21		1.5	0.92	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Iron	24000	F2	6.1	5.9	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Lead	21	F1	0.61	0.53	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Magnesium	3400	F1	300	33	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Manganese	320		0.91	0.17	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Nickel	24		2.4	0.31	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Potassium	650	F1	300	52	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Selenium	0.53	J	0.61	0.28	mg/Kg	☼	07/25/23 09:20	07/31/23 17:12	1
Silver	ND		0.30	0.063	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Sodium	37	J	300	31	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Thallium	ND		1.2	0.17	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Vanadium	19		3.0	0.48	mg/Kg	☼	07/25/23 09:20	07/27/23 21:41	1
Zinc	62		1.2	0.88	mg/Kg	☼	07/25/23 09:20	07/31/23 17:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	07/25/23 06:11	07/26/23 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.5		0.1	0.1	%			07/22/23 15:24	1
Percent Solids (SM22 2540G)	86.5		0.1	0.1	%			07/22/23 15:24	1

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2

Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Benzene	ND		5.6	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.6	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Carbon disulfide	ND		5.6	4.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Chloroethane	ND		5.6	3.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Styrene	ND		5.6	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Toluene	ND		5.6	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
trans-1,2-Dichloroethene	ND		5.6	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Trichloroethene	ND		5.6	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2

Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*07/24/23 07:34*	*07/24/23 11:13*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/24/23 07:34*	*07/24/23 11:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*07/24/23 07:34*	*07/24/23 11:13*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*07/24/23 07:34*	*07/24/23 11:13*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Acenaphthylene	ND		74	16	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Acetophenone	ND		740	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Anthracene	ND		74	19	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Atrazine	ND		740	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Benzaldehyde	ND		740	46	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Caprolactam	ND		1900	240	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Carbazole	ND		74	17	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Chrysene	ND		74	41	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Dibenzofuran	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
3,3'-Dichlorobenzidine	ND		370	340	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		740	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Fluoranthene	ND		74	20	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Fluorene	ND		74	15	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Hexachlorobenzene	ND		74	27	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Hexachloroethane	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Isophorone	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2-Methylphenol	ND		370	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Naphthalene	ND		74	14	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Nitrobenzene	ND		740	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Phenanthrene	ND		74	20	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Phenol	ND		370	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
Pyrene	ND		74	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*07/24/23 08:31*	*07/24/23 15:37*	*1*
2-Fluorophenol (Surr)	*84*		*48 - 105*	*07/24/23 08:31*	*07/24/23 15:37*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*07/24/23 08:31*	*07/24/23 15:37*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*07/24/23 08:31*	*07/24/23 15:37*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*07/24/23 08:31*	*07/24/23 15:37*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*	*07/24/23 08:31*	*07/24/23 15:37*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1221	ND		19	6.7	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1232	ND		19	4.6	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1254	ND		19	5.7	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1260	ND		19	5.4	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1262	ND		19	6.7	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/24/23 08:29	07/26/23 00:53	1

Client Sample ID: SSHS-ISMP-NAF-DUP20A
Lab Sample ID: 180-159726-2

Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 87.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*07/24/23 08:29*	*07/26/23 00:53*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*07/24/23 08:29*	*07/26/23 00:53*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/24/23 08:29*	*07/26/23 00:53*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*07/24/23 08:29*	*07/26/23 00:53*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		13	3.2	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Antimony	**0.20**	**J**	0.63	0.19	mg/Kg	☼	07/25/23 09:20	07/31/23 17:32	1
Arsenic	**9.5**		0.63	0.40	mg/Kg	☼	07/25/23 09:20	07/31/23 17:32	1
Barium	**39**		13	2.3	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Beryllium	**0.43**		0.25	0.069	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Cadmium	**0.67**		0.32	0.046	mg/Kg	☼	07/25/23 09:20	07/31/23 17:32	1
Calcium	**870**		320	41	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Chromium	**13**		0.32	0.29	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Cobalt	**8.4**		3.2	0.45	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Copper	**18**		1.6	0.96	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Iron	**21000**		6.3	6.2	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Lead	**9.3**		0.63	0.55	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Magnesium	**3000**		320	35	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Manganese	**230**		0.95	0.18	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Nickel	**19**		2.5	0.32	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Potassium	**530**		320	54	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Selenium	**0.43**	**J**	0.63	0.29	mg/Kg	☼	07/25/23 09:20	07/31/23 17:32	1
Silver	ND		0.32	0.066	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Sodium	ND		320	32	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Thallium	ND		1.3	0.18	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Vanadium	**17**		3.2	0.50	mg/Kg	☼	07/25/23 09:20	07/27/23 22:16	1
Zinc	**54**		1.3	0.92	mg/Kg	☼	07/25/23 09:20	07/31/23 17:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	07/25/23 06:11	07/26/23 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.2**		0.1	0.1	%			07/22/23 15:24	1
Percent Solids (SM22 2540G)	**87.8**		0.1	0.1	%			07/22/23 15:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3

Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Benzene	ND		5.5	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3
Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Styrene	ND		5.5	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Toluene	ND		5.5	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:36	1

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3

Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*07/24/23 07:34*	*07/24/23 11:36*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*07/24/23 07:34*	*07/24/23 11:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*07/24/23 07:34*	*07/24/23 11:36*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*07/24/23 07:34*	*07/24/23 11:36*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Acetophenone	ND		770	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Anthracene	ND		77	20	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Atrazine	ND		770	170	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Benzaldehyde	ND		770	47	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Benzo[a]anthracene	ND		77	35	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Benzo[g,h,i]perylene	ND		77	17	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Caprolactam	ND		1900	250	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Carbazole	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Chrysene	ND		77	42	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Fluoranthene	ND		77	20	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Fluorene	ND		77	15	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3
Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Hexachloroethane	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Isophorone	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Naphthalene	ND		77	15	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Phenanthrene	ND		77	21	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Phenol	ND		380	120	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
Pyrene	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*07/24/23 08:31*	*07/24/23 15:58*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*07/24/23 08:31*	*07/24/23 15:58*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*07/24/23 08:31*	*07/24/23 15:58*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/24/23 08:31*	*07/24/23 15:58*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*07/24/23 08:31*	*07/24/23 15:58*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*07/24/23 08:31*	*07/24/23 15:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1221	ND		19	6.8	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1232	ND		19	4.7	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1242	ND		19	2.8	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1248	ND		19	4.6	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1254	ND		19	5.8	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1260	ND		19	5.5	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1262	ND		19	6.8	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1
PCB-1268	ND		19	2.6	ug/Kg	☼	07/24/23 08:29	07/26/23 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*07/24/23 08:29*	*07/26/23 01:12*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*07/24/23 08:29*	*07/26/23 01:12*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*07/24/23 08:29*	*07/26/23 01:12*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S88
Lab Sample ID: 180-159726-3
Date Collected: 07/21/23 15:20
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 85.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*07/24/23 08:29*	*07/26/23 01:12*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		17	4.2	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Antimony	ND		0.85	0.26	mg/Kg	☼	07/25/23 09:20	07/31/23 17:37	1
Arsenic	**9.2**		0.85	0.53	mg/Kg	☼	07/25/23 09:20	07/31/23 17:37	1
Barium	**59**		17	3.0	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Beryllium	**0.51**		0.34	0.092	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Cadmium	**0.70**		0.42	0.062	mg/Kg	☼	07/25/23 09:20	07/31/23 17:37	1
Calcium	**3700**		420	55	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Chromium	**14**		0.42	0.39	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Cobalt	**10**		4.2	0.60	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Copper	**19**		2.1	1.3	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Iron	**21000**		8.5	8.3	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Lead	**13**		0.85	0.74	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Magnesium	**3000**		420	47	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Manganese	**450**		1.3	0.24	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Nickel	**20**		3.4	0.43	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Potassium	**690**		420	72	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Selenium	**0.41**	**J**	0.85	0.39	mg/Kg	☼	07/25/23 09:20	07/31/23 17:37	1
Silver	ND		0.42	0.088	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Sodium	ND		420	43	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Thallium	**0.25**	**J**	1.7	0.24	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Vanadium	**19**		4.2	0.67	mg/Kg	☼	07/25/23 09:20	07/27/23 22:21	1
Zinc	**56**		1.7	1.2	mg/Kg	☼	07/25/23 09:20	07/31/23 17:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	07/25/23 06:11	07/26/23 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.5**		0.1	0.1	%			07/22/23 15:24	1
Percent Solids (SM22 2540G)	**85.5**		0.1	0.1	%			07/22/23 15:24	1

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Benzene	ND		5.3	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Styrene	ND		5.3	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Toluene	ND		5.3	1.5	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	07/24/23 07:34	07/24/23 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*60 - 124*	*07/24/23 07:34*	*07/24/23 11:58*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*07/24/23 07:34*	*07/24/23 11:58*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*73 - 135*	*07/24/23 07:34*	*07/24/23 11:58*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*07/24/23 07:34*	*07/24/23 11:58*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Acenaphthylene	ND		77	17	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Acetophenone	ND		770	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Anthracene	ND		77	20	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Atrazine	ND		770	170	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Benzaldehyde	ND		770	48	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Benzo[a]anthracene	ND		77	35	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Benzo[g,h,i]perylene	ND		77	17	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Caprolactam	ND		2000	250	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Carbazole	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Chrysene	ND		77	43	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Dibenzofuran	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Fluoranthene	ND		77	20	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Fluorene	ND		77	15	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Hexachlorobenzene	ND		77	28	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Hexachlorobutadiene	ND		77	23	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Isophorone	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2-Methylphenol	ND		380	110	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Naphthalene	ND		77	15	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Nitrobenzene	ND		770	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,2'-oxybis[1-chloropropane]	ND		77	29	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Phenanthrene	ND		77	21	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Phenol	ND		380	120	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
Pyrene	ND		77	18	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	07/24/23 08:31	07/24/23 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*07/24/23 08:31*	*07/24/23 16:20*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/24/23 08:31*	*07/24/23 16:20*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*07/24/23 08:31*	*07/24/23 16:20*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*07/24/23 08:31*	*07/24/23 16:20*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*07/24/23 08:31*	*07/24/23 16:20*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*07/24/23 08:31*	*07/24/23 16:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1221	ND		19	6.6	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1232	ND		19	4.5	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1242	ND		19	2.7	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1248	ND		19	4.5	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1254	ND		19	5.6	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1260	ND		19	5.3	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1262	ND		19	6.5	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1
PCB-1268	ND		19	2.5	ug/Kg	☼	07/24/23 08:29	07/26/23 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*07/24/23 08:29*	*07/26/23 01:31*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*07/24/23 08:29*	*07/26/23 01:31*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/24/23 08:29*	*07/26/23 01:31*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*07/24/23 08:29*	*07/26/23 01:31*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159726-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-B32
Lab Sample ID: 180-159726-4
Date Collected: 07/21/23 15:25
Matrix: Solid
Date Received: 07/22/23 09:30
Percent Solids: 86.6

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		16	3.9	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Antimony	ND		0.79	0.24	mg/Kg	☼	07/25/23 09:20	07/31/23 17:42	1
Arsenic	9.1		0.79	0.50	mg/Kg	☼	07/25/23 09:20	07/31/23 17:42	1
Barium	38		16	2.8	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Beryllium	0.51		0.32	0.086	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Cadmium	0.70		0.40	0.058	mg/Kg	☼	07/25/23 09:20	07/31/23 17:42	1
Calcium	810		400	51	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Chromium	14		0.40	0.36	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Cobalt	11		4.0	0.56	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Copper	17		2.0	1.2	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Iron	22000		7.9	7.7	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Lead	9.3		0.79	0.69	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Magnesium	3000		400	43	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Manganese	280		1.2	0.22	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Nickel	20		3.2	0.40	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Potassium	550		400	67	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Selenium	ND		0.79	0.36	mg/Kg	☼	07/25/23 09:20	07/31/23 17:42	1
Silver	ND		0.40	0.082	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Sodium	ND		400	40	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Thallium	ND		1.6	0.22	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Vanadium	18		4.0	0.63	mg/Kg	☼	07/25/23 09:20	07/27/23 22:26	1
Zinc	59		1.6	1.1	mg/Kg	☼	07/25/23 09:20	07/31/23 17:42	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.024	mg/Kg	☼	07/25/23 06:11	07/26/23 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.4		0.1	0.1	%			07/22/23 15:24	1
Percent Solids (SM22 2540G)	86.6		0.1	0.1	%			07/22/23 15:24	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-441177/7
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			07/24/23 10:05	1
Benzene	ND		5.0	1.4	ug/Kg			07/24/23 10:05	1
Bromoform	ND		5.0	2.5	ug/Kg			07/24/23 10:05	1
Bromomethane	ND		5.0	2.3	ug/Kg			07/24/23 10:05	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			07/24/23 10:05	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			07/24/23 10:05	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			07/24/23 10:05	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			07/24/23 10:05	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			07/24/23 10:05	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			07/24/23 10:05	1
Chloroethane	ND		5.0	2.9	ug/Kg			07/24/23 10:05	1
Chloroform	ND		5.0	3.4	ug/Kg			07/24/23 10:05	1
Chloromethane	ND		5.0	2.0	ug/Kg			07/24/23 10:05	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			07/24/23 10:05	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			07/24/23 10:05	1
Cyclohexane	ND		5.0	2.4	ug/Kg			07/24/23 10:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			07/24/23 10:05	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			07/24/23 10:05	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			07/24/23 10:05	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			07/24/23 10:05	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			07/24/23 10:05	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			07/24/23 10:05	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			07/24/23 10:05	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			07/24/23 10:05	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			07/24/23 10:05	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			07/24/23 10:05	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			07/24/23 10:05	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			07/24/23 10:05	1
1,4-Dioxane	ND		1000	76	ug/Kg			07/24/23 10:05	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			07/24/23 10:05	1
2-Hexanone	ND		25	1.6	ug/Kg			07/24/23 10:05	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			07/24/23 10:05	1
Methyl acetate	ND		25	7.4	ug/Kg			07/24/23 10:05	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			07/24/23 10:05	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			07/24/23 10:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			07/24/23 10:05	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			07/24/23 10:05	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			07/24/23 10:05	1
o-Xylene	ND		5.0	2.0	ug/Kg			07/24/23 10:05	1
Styrene	ND		5.0	1.5	ug/Kg			07/24/23 10:05	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			07/24/23 10:05	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			07/24/23 10:05	1
Toluene	ND		5.0	1.4	ug/Kg			07/24/23 10:05	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			07/24/23 10:05	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			07/24/23 10:05	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			07/24/23 10:05	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			07/24/23 10:05	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			07/24/23 10:05	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-441177/7
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			07/24/23 10:05	1
Trichloroethene	ND		5.0	1.6	ug/Kg			07/24/23 10:05	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			07/24/23 10:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			07/24/23 10:05	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			07/24/23 10:05	1
Xylenes, Total	ND		10	7.2	ug/Kg			07/24/23 10:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*		*07/24/23 10:05*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*		*07/24/23 10:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*73 - 135*		*07/24/23 10:05*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*07/24/23 10:05*	*1*

Lab Sample ID: LCS 180-441177/3
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	34.5		ug/Kg		86	23 - 170
Benzene	40.0	40.6		ug/Kg		102	77 - 120
Bromoform	40.0	33.8		ug/Kg		85	37 - 147
Bromomethane	40.0	33.7		ug/Kg		84	47 - 149
2-Butanone (MEK)	40.0	33.9		ug/Kg		85	39 - 157
Carbon disulfide	40.0	39.2		ug/Kg		98	40 - 156
Carbon tetrachloride	40.0	37.5		ug/Kg		94	73 - 130
Chlorobenzene	40.0	37.0		ug/Kg		93	79 - 122
Chlorobromomethane	40.0	37.0		ug/Kg		93	64 - 128
Chlorodibromomethane	40.0	36.2		ug/Kg		90	60 - 134
Chloroethane	40.0	25.8		ug/Kg		64	37 - 159
Chloroform	40.0	40.7		ug/Kg		102	73 - 126
Chloromethane	40.0	43.2		ug/Kg		108	46 - 151
cis-1,2-Dichloroethene	40.0	39.4		ug/Kg		99	77 - 118
cis-1,3-Dichloropropene	40.0	37.9		ug/Kg		95	73 - 127
Cyclohexane	40.0	39.0		ug/Kg		98	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	35.8		ug/Kg		90	30 - 163
1,2-Dibromoethane	40.0	39.2		ug/Kg		98	59 - 137
1,2-Dichlorobenzene	40.0	37.2		ug/Kg		93	76 - 120
1,3-Dichlorobenzene	40.0	37.8		ug/Kg		94	77 - 121
1,4-Dichlorobenzene	40.0	37.3		ug/Kg		93	79 - 120
Dichlorobromomethane	40.0	39.2		ug/Kg		98	75 - 123
Dichlorodifluoromethane	40.0	37.6		ug/Kg		94	26 - 149
1,1-Dichloroethane	40.0	40.6		ug/Kg		102	73 - 124
1,2-Dichloroethane	40.0	39.4		ug/Kg		98	64 - 140
1,1-Dichloroethene	40.0	40.4		ug/Kg		101	55 - 136
1,2-Dichloroethene, Total	80.0	79.3		ug/Kg		99	77 - 119
1,2-Dichloropropane	40.0	40.4		ug/Kg		101	77 - 119
1,4-Dioxane	800	1040		ug/Kg		130	18 - 166
Ethylbenzene	40.0	37.9		ug/Kg		95	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-441177/3
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Hexanone			40.0	32.4		ug/Kg		81	42 - 152		
Isopropylbenzene			40.0	39.2		ug/Kg		98	70 - 125		
Methyl acetate			80.0	96.1		ug/Kg		120	20 - 170		
Methylcyclohexane			40.0	38.5		ug/Kg		96	70 - 125		
Methylene Chloride			40.0	44.1		ug/Kg		110	67 - 131		
4-Methyl-2-pentanone (MIBK)			40.0	37.3		ug/Kg		93	51 - 147		
Methyl tert-butyl ether			40.0	39.5		ug/Kg		99	58 - 132		
m-Xylene & p-Xylene			40.0	37.9		ug/Kg		95	77 - 120		
o-Xylene			40.0	38.0		ug/Kg		95	78 - 118		
Styrene			40.0	38.6		ug/Kg		96	80 - 120		
1,1,2,2-Tetrachloroethane			40.0	38.6		ug/Kg		96	36 - 170		
Tetrachloroethene			40.0	36.9		ug/Kg		92	71 - 121		
Toluene			40.0	38.2		ug/Kg		96	76 - 120		
trans-1,2-Dichloroethene			40.0	39.9		ug/Kg		100	75 - 122		
trans-1,3-Dichloropropene			40.0	39.7		ug/Kg		99	68 - 133		
1,2,3-Trichlorobenzene			40.0	38.4		ug/Kg		96	29 - 166		
1,2,4-Trichlorobenzene			40.0	37.7		ug/Kg		94	22 - 170		
1,1,1-Trichloroethane			40.0	39.6		ug/Kg		99	72 - 134		
1,1,2-Trichloroethane			40.0	39.3		ug/Kg		98	66 - 128		
Trichloroethene			40.0	37.7		ug/Kg		94	69 - 118		
Trichlorofluoromethane			40.0	40.1		ug/Kg		100	32 - 149		
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	36.0		ug/Kg		90	59 - 135		
Vinyl chloride			40.0	41.1		ug/Kg		103	64 - 134		
Xylenes, Total			80.0	75.9		ug/Kg		95	78 - 118		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*60 - 124*
Dibromofluoromethane (Surr)	*108*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*
Toluene-d8 (Surr)	*113*		*67 - 134*

Lab Sample ID: LCSD 180-441177/4
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			40.0	41.0		ug/Kg		103	23 - 170	17	35
Benzene			40.0	41.3		ug/Kg		103	77 - 120	2	20
Bromoform			40.0	34.7		ug/Kg		87	37 - 147	3	23
Bromomethane			40.0	34.2		ug/Kg		86	47 - 149	2	25
2-Butanone (MEK)			40.0	34.9		ug/Kg		87	39 - 157	3	33
Carbon disulfide			40.0	39.2		ug/Kg		98	40 - 156	0	25
Carbon tetrachloride			40.0	37.1		ug/Kg		93	73 - 130	1	21
Chlorobenzene			40.0	37.3		ug/Kg		93	79 - 122	1	20
Chlorobromomethane			40.0	38.3		ug/Kg		96	64 - 128	3	20
Chlorodibromomethane			40.0	36.4		ug/Kg		91	60 - 134	1	40
Chloroethane			40.0	26.2		ug/Kg		65	37 - 159	2	25
Chloroform			40.0	41.9		ug/Kg		105	73 - 126	3	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-441177/4
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	45.4		ug/Kg		114	46 - 151	5	33
cis-1,2-Dichloroethene			40.0	40.5		ug/Kg		101	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	39.5		ug/Kg		99	73 - 127	4	20
Cyclohexane			40.0	38.8		ug/Kg		97	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	36.7		ug/Kg		92	30 - 163	2	34
1,2-Dibromoethane			40.0	39.8		ug/Kg		100	59 - 137	2	20
1,2-Dichlorobenzene			40.0	39.2		ug/Kg		98	76 - 120	5	20
1,3-Dichlorobenzene			40.0	38.8		ug/Kg		97	77 - 121	3	20
1,4-Dichlorobenzene			40.0	38.6		ug/Kg		96	79 - 120	3	20
Dichlorobromomethane			40.0	40.8		ug/Kg		102	75 - 123	4	20
Dichlorodifluoromethane			40.0	36.0		ug/Kg		90	26 - 149	4	24
1,1-Dichloroethane			40.0	41.5		ug/Kg		104	73 - 124	2	20
1,2-Dichloroethane			40.0	40.3		ug/Kg		101	64 - 140	2	20
1,1-Dichloroethene			40.0	40.0		ug/Kg		100	55 - 136	1	21
1,2-Dichloroethene, Total			80.0	80.8		ug/Kg		101	77 - 119	2	20
1,2-Dichloropropane			40.0	41.6		ug/Kg		104	77 - 119	3	20
1,4-Dioxane			800	1030		ug/Kg		129	18 - 166	0	40
Ethylbenzene			40.0	37.4		ug/Kg		94	79 - 119	1	20
2-Hexanone			40.0	36.0		ug/Kg		90	42 - 152	10	30
Isopropylbenzene			40.0	38.5		ug/Kg		96	70 - 125	2	21
Methyl acetate			80.0	103		ug/Kg		129	20 - 170	7	33
Methylcyclohexane			40.0	38.4		ug/Kg		96	70 - 125	0	22
Methylene Chloride			40.0	45.6		ug/Kg		114	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	38.0		ug/Kg		95	51 - 147	2	27
Methyl tert-butyl ether			40.0	41.0		ug/Kg		103	58 - 132	4	24
m-Xylene & p-Xylene			40.0	37.7		ug/Kg		94	77 - 120	0	20
o-Xylene			40.0	37.5		ug/Kg		94	78 - 118	1	20
Styrene			40.0	38.8		ug/Kg		97	80 - 120	1	20
1,1,2,2-Tetrachloroethane			40.0	40.1		ug/Kg		100	36 - 170	4	23
Tetrachloroethene			40.0	36.2		ug/Kg		91	71 - 121	2	21
Toluene			40.0	38.3		ug/Kg		96	76 - 120	0	20
trans-1,2-Dichloroethene			40.0	40.3		ug/Kg		101	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	40.6		ug/Kg		101	68 - 133	2	20
1,2,3-Trichlorobenzene			40.0	39.0		ug/Kg		98	29 - 166	2	40
1,2,4-Trichlorobenzene			40.0	38.6		ug/Kg		96	22 - 170	2	29
1,1,1-Trichloroethane			40.0	39.4		ug/Kg		99	72 - 134	0	20
1,1,2-Trichloroethane			40.0	39.6		ug/Kg		99	66 - 128	1	21
Trichloroethene			40.0	37.6		ug/Kg		94	69 - 118	0	20
Trichlorofluoromethane			40.0	40.4		ug/Kg		101	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	35.9		ug/Kg		90	59 - 135	0	28
Vinyl chloride			40.0	41.9		ug/Kg		105	64 - 134	2	23
Xylenes, Total			80.0	75.2		ug/Kg		94	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-441177/4
Matrix: Solid
Analysis Batch: 441177

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	109		67 - 134

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-441204/1-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Acenaphthylene	ND		67	15	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Acetophenone	ND		670	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Anthracene	ND		67	17	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Atrazine	ND		670	150	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Benzaldehyde	ND		670	41	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Benzo[a]anthracene	ND		67	30	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Benzo[a]pyrene	ND		67	29	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
1,1'-Biphenyl	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Caprolactam	ND		1700	220	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Carbazole	ND		67	16	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4-Chloroaniline	ND		330	88	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2-Chloronaphthalene	ND		67	15	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2-Chlorophenol	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Chrysene	ND		67	37	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Dibenzofuran	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Diethyl phthalate	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Dimethyl phthalate	ND		330	130	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
1,4-Dioxane	ND		670	100	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Fluoranthene	ND		67	18	ug/Kg		07/24/23 08:31	07/24/23 13:14	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-441204/1-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Hexachlorobenzene	ND		67	24	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Hexachlorobutadiene	ND		67	20	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Hexachloroethane	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Isophorone	ND		330	130	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2-Methylnaphthalene	ND		67	16	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2-Methylphenol	ND		330	96	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Naphthalene	ND		67	13	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2-Nitroaniline	ND		1700	150	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
3-Nitroaniline	ND		1700	85	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4-Nitroaniline	ND		1700	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Nitrobenzene	ND		670	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2-Nitrophenol	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
4-Nitrophenol	ND		1700	230	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Pentachlorophenol	ND		1700	540	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Phenanthrene	ND		67	18	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Phenol	ND		330	100	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
Pyrene	ND		67	16	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		07/24/23 08:31	07/24/23 13:14	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		07/24/23 08:31	07/24/23 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*07/24/23 08:31*	*07/24/23 13:14*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*07/24/23 08:31*	*07/24/23 13:14*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*07/24/23 08:31*	*07/24/23 13:14*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*07/24/23 08:31*	*07/24/23 13:14*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*07/24/23 08:31*	*07/24/23 13:14*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*07/24/23 08:31*	*07/24/23 13:14*	*1*

Lab Sample ID: LCS 180-441204/2-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4440		ug/Kg		67	50 - 100
Acenaphthylene	6670	4630		ug/Kg		69	52 - 100
Acetophenone	6670	4410		ug/Kg		66	48 - 100
Anthracene	6670	4420		ug/Kg		66	53 - 100
Atrazine	6670	4140		ug/Kg		62	49 - 103
Benzaldehyde	6670	4810		ug/Kg		72	23 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-441204/2-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	4290		ug/Kg		64	51 - 100
Benzo[a]pyrene	6670	4360		ug/Kg		65	51 - 100
Benzo[b]fluoranthene	6670	3750		ug/Kg		56	48 - 100
Benzo[g,h,i]perylene	6670	3890		ug/Kg		58	48 - 105
Benzo[k]fluoranthene	6670	3940		ug/Kg		59	19 - 100
1,1'-Biphenyl	6670	4330		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	4420		ug/Kg		66	49 - 100
Bis(2-chloroethyl)ether	6670	4440		ug/Kg		67	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4480		ug/Kg		67	53 - 107
4-Bromophenyl phenyl ether	6670	4380		ug/Kg		66	52 - 101
Butyl benzyl phthalate	6670	4500		ug/Kg		67	52 - 107
Caprolactam	6670	4770		ug/Kg		72	48 - 111
Carbazole	6670	4350		ug/Kg		65	53 - 100
4-Chloroaniline	6670	4300		ug/Kg		64	47 - 100
4-Chloro-3-methylphenol	6670	4690		ug/Kg		70	49 - 106
2-Chloronaphthalene	6670	4310		ug/Kg		65	51 - 100
2-Chlorophenol	6670	4580		ug/Kg		69	51 - 100
4-Chlorophenyl phenyl ether	6670	4300		ug/Kg		65	52 - 100
Chrysene	6670	4290		ug/Kg		64	50 - 100
Dibenz(a,h)anthracene	6670	3830		ug/Kg		57	50 - 107
Dibenzofuran	6670	4360		ug/Kg		65	52 - 100
3,3'-Dichlorobenzidine	6670	4440		ug/Kg		67	43 - 100
2,4-Dichlorophenol	6670	4510		ug/Kg		68	53 - 101
Diethyl phthalate	6670	4230		ug/Kg		64	48 - 104
2,4-Dimethylphenol	6670	3980		ug/Kg		60	51 - 101
Dimethyl phthalate	6670	4450		ug/Kg		67	53 - 100
Di-n-butyl phthalate	6670	4630		ug/Kg		69	57 - 102
4,6-Dinitro-2-methylphenol	13300	8120		ug/Kg		61	51 - 100
2,4-Dinitrophenol	13300	8010		ug/Kg		60	33 - 101
2,4-Dinitrotoluene	6670	4930		ug/Kg		74	54 - 104
2,6-Dinitrotoluene	6670	4520		ug/Kg		68	51 - 106
Di-n-octyl phthalate	6670	3830		ug/Kg		57	41 - 106
1,4-Dioxane	6670	5830		ug/Kg		88	25 - 125
Fluoranthene	6670	4540		ug/Kg		68	55 - 100
Fluorene	6670	4330		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4260		ug/Kg		64	49 - 100
Hexachlorobutadiene	6670	4570		ug/Kg		69	38 - 107
Hexachlorocyclopentadiene	6670	3280		ug/Kg		49	33 - 117
Hexachloroethane	6670	4570		ug/Kg		69	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4070		ug/Kg		61	51 - 103
Isophorone	6670	4530		ug/Kg		68	48 - 105
2-Methylnaphthalene	6670	4680		ug/Kg		70	53 - 100
2-Methylphenol	6670	4590		ug/Kg		69	50 - 101
Methylphenol, 3 & 4	6670	4490		ug/Kg		67	50 - 103
Naphthalene	6670	4420		ug/Kg		66	51 - 100
2-Nitroaniline	6670	4900		ug/Kg		74	42 - 123
3-Nitroaniline	6670	4550		ug/Kg		68	50 - 103
4-Nitroaniline	6670	5030		ug/Kg		75	52 - 103
Nitrobenzene	6670	4410		ug/Kg		66	44 - 108

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-441204/2-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441204

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Nitrophenol			6670	4960		ug/Kg		74	55 - 107		
4-Nitrophenol			13300	9590		ug/Kg		72	30 - 134		
N-Nitrosodi-n-propylamine			6670	4470		ug/Kg		67	45 - 107		
N-Nitrosodiphenylamine			6670	4370		ug/Kg		65	52 - 100		
2,2'-oxybis[1-chloropropane]			6670	4400		ug/Kg		66	30 - 113		
Pentachlorophenol			13300	9210		ug/Kg		69	42 - 110		
Phenanthrene			6670	4190		ug/Kg		63	53 - 100		
Phenol			6670	4470		ug/Kg		67	49 - 100		
Pyrene			6670	4310		ug/Kg		65	52 - 100		
1,2,4,5-Tetrachlorobenzene			6670	4400		ug/Kg		66	41 - 104		
2,3,4,6-Tetrachlorophenol			6670	4400		ug/Kg		66	47 - 104		
2,4,5-Trichlorophenol			6670	4500		ug/Kg		67	50 - 104		
2,4,6-Trichlorophenol			6670	4490		ug/Kg		67	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*44 - 105*
2-Fluorophenol (Surr)	*70*		*48 - 105*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*
Phenol-d5 (Surr)	*67*		*46 - 105*
Terphenyl-d14 (Surr)	*59*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Lab Sample ID: LCSD 180-441204/3-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 441204

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	4480		ug/Kg		67	50 - 100	1	20
Acenaphthylene			6670	4610		ug/Kg		69	52 - 100	0	20
Acetophenone			6670	4310		ug/Kg		65	48 - 100	2	17
Anthracene			6670	4340		ug/Kg		65	53 - 100	2	20
Atrazine			6670	4040		ug/Kg		61	49 - 103	3	19
Benzaldehyde			6670	5010		ug/Kg		75	23 - 105	4	31
Benzo[a]anthracene			6670	4370		ug/Kg		66	51 - 100	2	21
Benzo[a]pyrene			6670	4560		ug/Kg		68	51 - 100	5	20
Benzo[b]fluoranthene			6670	3900		ug/Kg		59	48 - 100	4	20
Benzo[g,h,i]perylene			6670	4030		ug/Kg		60	48 - 105	3	19
Benzo[k]fluoranthene			6670	4210		ug/Kg		63	19 - 100	7	20
1,1'-Biphenyl			6670	4410		ug/Kg		66	50 - 100	2	19
Bis(2-chloroethoxy)methane			6670	4340		ug/Kg		65	49 - 100	2	20
Bis(2-chloroethyl)ether			6670	4630		ug/Kg		70	48 - 100	4	18
Bis(2-ethylhexyl) phthalate			6670	4470		ug/Kg		67	53 - 107	0	20
4-Bromophenyl phenyl ether			6670	4570		ug/Kg		69	52 - 101	4	20
Butyl benzyl phthalate			6670	4660		ug/Kg		70	52 - 107	4	19
Caprolactam			6670	4720		ug/Kg		71	48 - 111	1	23
Carbazole			6670	4400		ug/Kg		66	53 - 100	1	20
4-Chloroaniline			6670	4220		ug/Kg		63	47 - 100	2	20
4-Chloro-3-methylphenol			6670	4740		ug/Kg		71	49 - 106	1	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-441204/3-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 441204

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene			6670	4320		ug/Kg		65	51 - 100	0	20
2-Chlorophenol			6670	4600		ug/Kg		69	51 - 100	0	17
4-Chlorophenyl phenyl ether			6670	4490		ug/Kg		67	52 - 100	4	19
Chrysene			6670	4350		ug/Kg		65	50 - 100	2	20
Dibenz(a,h)anthracene			6670	4010		ug/Kg		60	50 - 107	5	21
Dibenzofuran			6670	4400		ug/Kg		66	52 - 100	1	19
3,3'-Dichlorobenzidine			6670	4460		ug/Kg		67	43 - 100	0	19
2,4-Dichlorophenol			6670	4520		ug/Kg		68	53 - 101	0	22
Diethyl phthalate			6670	4340		ug/Kg		65	48 - 104	2	20
2,4-Dimethylphenol			6670	3970		ug/Kg		60	51 - 101	0	32
Dimethyl phthalate			6670	4500		ug/Kg		67	53 - 100	1	21
Di-n-butyl phthalate			6670	4610		ug/Kg		69	57 - 102	0	20
4,6-Dinitro-2-methylphenol			13300	8160		ug/Kg		61	51 - 100	1	22
2,4-Dinitrophenol			13300	8140		ug/Kg		61	33 - 101	2	20
2,4-Dinitrotoluene			6670	5010		ug/Kg		75	54 - 104	2	20
2,6-Dinitrotoluene			6670	4570		ug/Kg		69	51 - 106	1	20
Di-n-octyl phthalate			6670	3990		ug/Kg		60	41 - 106	4	18
1,4-Dioxane			6670	5730		ug/Kg		86	25 - 125	2	17
Fluoranthene			6670	4530		ug/Kg		68	55 - 100	0	20
Fluorene			6670	4430		ug/Kg		66	52 - 100	2	19
Hexachlorobenzene			6670	4300		ug/Kg		64	49 - 100	1	20
Hexachlorobutadiene			6670	4460		ug/Kg		67	38 - 107	2	22
Hexachlorocyclopentadiene			6670	3250		ug/Kg		49	33 - 117	1	19
Hexachloroethane			6670	4520		ug/Kg		68	47 - 100	1	17
Indeno[1,2,3-cd]pyrene			6670	4260		ug/Kg		64	51 - 103	5	19
Isophorone			6670	4490		ug/Kg		67	48 - 105	1	20
2-Methylnaphthalene			6670	4670		ug/Kg		70	53 - 100	0	21
2-Methylphenol			6670	4440		ug/Kg		67	50 - 101	3	17
Methylphenol, 3 & 4			6670	4410		ug/Kg		66	50 - 103	2	19
Naphthalene			6670	4390		ug/Kg		66	51 - 100	1	20
2-Nitroaniline			6670	4880		ug/Kg		73	42 - 123	1	19
3-Nitroaniline			6670	4540		ug/Kg		68	50 - 103	0	20
4-Nitroaniline			6670	4980		ug/Kg		75	52 - 103	1	18
Nitrobenzene			6670	4350		ug/Kg		65	44 - 108	1	21
2-Nitrophenol			6670	4900		ug/Kg		74	55 - 107	1	19
4-Nitrophenol			13300	10100		ug/Kg		76	30 - 134	5	18
N-Nitrosodi-n-propylamine			6670	4370		ug/Kg		66	45 - 107	2	18
N-Nitrosodiphenylamine			6670	4350		ug/Kg		65	52 - 100	0	20
2,2'-oxybis[1-chloropropane]			6670	4240		ug/Kg		64	30 - 113	4	17
Pentachlorophenol			13300	9460		ug/Kg		71	42 - 110	3	20
Phenanthrene			6670	4260		ug/Kg		64	53 - 100	2	20
Phenol			6670	4420		ug/Kg		66	49 - 100	1	16
Pyrene			6670	4300		ug/Kg		65	52 - 100	0	20
1,2,4,5-Tetrachlorobenzene			6670	4390		ug/Kg		66	41 - 104	0	21
2,3,4,6-Tetrachlorophenol			6670	4380		ug/Kg		66	47 - 104	1	18
2,4,5-Trichlorophenol			6670	4490		ug/Kg		67	50 - 104	0	21
2,4,6-Trichlorophenol			6670	4540		ug/Kg		68	50 - 105	1	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-441204/3-A
Matrix: Solid
Analysis Batch: 441213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 441204

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	61		44 - 105
2-Fluorophenol (Surr)	69		48 - 105
Nitrobenzene-d5 (Surr)	67		46 - 105
Phenol-d5 (Surr)	66		46 - 105
Terphenyl-d14 (Surr)	59		39 - 105
2,4,6-Tribromophenol (Surr)	64		34 - 108

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-441202/1-A
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1221	ND		17	5.9	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1232	ND		17	4.1	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1242	ND		17	2.4	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1248	ND		17	4.0	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1254	ND		17	5.0	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1260	ND		17	4.7	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1262	ND		17	5.9	ug/Kg		07/24/23 08:29	07/25/23 21:09	1
PCB-1268	ND		17	2.2	ug/Kg		07/24/23 08:29	07/25/23 21:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	125		63 - 138	07/24/23 08:29	07/25/23 21:09	1
DCB Decachlorobiphenyl (Surr)	117		63 - 138	07/24/23 08:29	07/25/23 21:09	1
Tetrachloro-m-xylene (Surr)	88		55 - 135	07/24/23 08:29	07/25/23 21:09	1
Tetrachloro-m-xylene (Surr)	87		55 - 135	07/24/23 08:29	07/25/23 21:09	1

Lab Sample ID: LCS 180-441202/2-A
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	967		ug/Kg		73	43 - 136		
PCB-1260			1330	943		ug/Kg		71	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	108		63 - 138
DCB Decachlorobiphenyl (Surr)	100		63 - 138
Tetrachloro-m-xylene (Surr)	80		55 - 135
Tetrachloro-m-xylene (Surr)	82		55 - 135

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 180-441202/3-A
Matrix: Solid
Analysis Batch: 441274

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 441202

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1030		ug/Kg		78	43 - 136	7	40
PCB-1260			1330	1030		ug/Kg		77	55 - 128	9	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-441297/1-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	4.9	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Barium	ND		20	3.5	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Beryllium	ND		0.39	0.11	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Calcium	ND		490	63	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Chromium	ND		0.49	0.45	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Cobalt	ND		4.9	0.69	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Copper	ND		2.5	1.5	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Iron	ND		9.8	9.5	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Lead	ND		0.98	0.85	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Magnesium	ND		490	54	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Manganese	ND		1.5	0.27	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Nickel	ND		3.9	0.49	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Potassium	ND		490	83	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Silver	ND		0.49	0.10	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Sodium	ND		490	50	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Thallium	ND		2.0	0.28	mg/Kg		07/25/23 09:20	07/27/23 21:31	1
Vanadium	ND		4.9	0.78	mg/Kg		07/25/23 09:20	07/27/23 21:31	1

Lab Sample ID: MB 180-441297/1-A
Matrix: Solid
Analysis Batch: 442039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.98	0.30	mg/Kg		07/25/23 09:20	07/31/23 17:02	1
Arsenic	ND		0.98	0.61	mg/Kg		07/25/23 09:20	07/31/23 17:02	1
Cadmium	ND		0.49	0.072	mg/Kg		07/25/23 09:20	07/31/23 17:02	1
Selenium	ND		0.98	0.45	mg/Kg		07/25/23 09:20	07/31/23 17:02	1
Zinc	ND		2.0	1.4	mg/Kg		07/25/23 09:20	07/31/23 17:02	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-441297/2-A
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	455	436		mg/Kg		96	80 - 120
Barium	90.9	87.8		mg/Kg		97	80 - 120
Beryllium	45.5	42.6		mg/Kg		94	80 - 120
Calcium	2270	2210		mg/Kg		97	80 - 120
Chromium	45.5	43.2		mg/Kg		95	80 - 120
Cobalt	45.5	43.1		mg/Kg		95	80 - 120
Copper	45.5	43.6		mg/Kg		96	80 - 120
Iron	455	436		mg/Kg		96	80 - 120
Lead	45.5	43.4		mg/Kg		95	80 - 120
Magnesium	2270	2120		mg/Kg		93	80 - 120
Manganese	45.5	41.9		mg/Kg		92	80 - 120
Nickel	45.5	43.6		mg/Kg		96	80 - 120
Potassium	2270	1930		mg/Kg		85	80 - 120
Silver	22.7	21.4		mg/Kg		94	80 - 120
Sodium	2270	2210		mg/Kg		97	80 - 120
Thallium	90.9	84.8		mg/Kg		93	80 - 120
Vanadium	45.5	42.4		mg/Kg		93	80 - 120

Lab Sample ID: LCS 180-441297/2-A
Matrix: Solid
Analysis Batch: 442039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	22.7	23.4		mg/Kg		103	80 - 120
Arsenic	90.9	94.0		mg/Kg		103	80 - 120
Cadmium	45.5	45.5		mg/Kg		100	80 - 120
Selenium	90.9	92.9		mg/Kg		102	80 - 120
Zinc	22.7	23.0		mg/Kg		101	80 - 120

Lab Sample ID: 180-159726-1 MS
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	13000		295	11800	4	mg/Kg	☼	-275	75 - 125
Barium	59	F1	59.0	109		mg/Kg	☼	85	75 - 125
Beryllium	0.53		29.5	25.5		mg/Kg	☼	85	75 - 125
Calcium	2200	F1 F2	1470	8990	F1	mg/Kg	☼	464	75 - 125
Chromium	14		29.5	38.0		mg/Kg	☼	80	75 - 125
Cobalt	11		29.5	39.2		mg/Kg	☼	97	75 - 125
Copper	21		29.5	52.9		mg/Kg	☼	108	75 - 125
Iron	24000	F2	295	20900	4	mg/Kg	☼	-968	75 - 125
Lead	21	F1	29.5	40.3	F1	mg/Kg	☼	67	75 - 125
Magnesium	3400	F1	1470	4150	F1	mg/Kg	☼	53	75 - 125
Manganese	320		29.5	394	4	mg/Kg	☼	259	75 - 125
Nickel	24		29.5	50.2		mg/Kg	☼	90	75 - 125
Potassium	650	F1	1470	1700	F1	mg/Kg	☼	71	75 - 125
Silver	ND		14.7	13.4		mg/Kg	☼	91	75 - 125
Sodium	37	J	1470	1420		mg/Kg	☼	94	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-159726-1 MS
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	ND		59.0	53.8		mg/Kg	☼	91	75 - 125
Vanadium	19		29.5	43.2		mg/Kg	☼	83	75 - 125

Lab Sample ID: 180-159726-1 MS
Matrix: Solid
Analysis Batch: 442039

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.18	J F1	14.7	2.85	F1	mg/Kg	☼	18	75 - 125
Arsenic	14		59.0	63.7		mg/Kg	☼	84	75 - 125
Cadmium	0.85		29.5	26.0		mg/Kg	☼	85	75 - 125
Selenium	0.53	J	59.0	53.5		mg/Kg	☼	90	75 - 125
Zinc	62		14.7	66.0	4	mg/Kg	☼	24	75 - 125

Lab Sample ID: 180-159726-1 MSD
Matrix: Solid
Analysis Batch: 441766

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	13000		308	12900	4	mg/Kg	☼	107	75 - 125	9	20
Barium	59	F1	61.5	102	F1	mg/Kg	☼	69	75 - 125	7	20
Beryllium	0.53		30.8	26.7		mg/Kg	☼	85	75 - 125	4	20
Calcium	2200	F1 F2	1540	2560	F1 F2	mg/Kg	☼	27	75 - 125	111	20
Chromium	14		30.8	40.5		mg/Kg	☼	85	75 - 125	6	20
Cobalt	11		30.8	39.4		mg/Kg	☼	94	75 - 125	0	20
Copper	21		30.8	46.0		mg/Kg	☼	81	75 - 125	14	20
Iron	24000	F2	308	25900	E 4 F2	mg/Kg	☼	674	75 - 125	21	20
Lead	21	F1	30.8	47.5		mg/Kg	☼	88	75 - 125	16	20
Magnesium	3400	F1	1540	4230	F1	mg/Kg	☼	55	75 - 125	2	20
Manganese	320		30.8	349	4	mg/Kg	☼	101	75 - 125	12	20
Nickel	24		30.8	49.7		mg/Kg	☼	85	75 - 125	1	20
Potassium	650	F1	1540	1730	F1	mg/Kg	☼	70	75 - 125	2	20
Silver	ND		15.4	13.9		mg/Kg	☼	90	75 - 125	3	20
Sodium	37	J	1540	1460		mg/Kg	☼	92	75 - 125	2	20
Thallium	ND		61.5	55.0		mg/Kg	☼	89	75 - 125	2	20
Vanadium	19		30.8	45.8		mg/Kg	☼	88	75 - 125	6	20

Lab Sample ID: 180-159726-1 MSD
Matrix: Solid
Analysis Batch: 442039

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.18	J F1	15.4	3.00	F1	mg/Kg	☼	18	75 - 125	5	20
Arsenic	14		61.5	66.1		mg/Kg	☼	84	75 - 125	4	20
Cadmium	0.85		30.8	27.6		mg/Kg	☼	87	75 - 125	6	20
Selenium	0.53	J	61.5	54.7		mg/Kg	☼	88	75 - 125	2	20
Zinc	62		15.4	69.6	4	mg/Kg	☼	47	75 - 125	5	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-441279/1-A
Matrix: Solid
Analysis Batch: 441505

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 441279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		07/25/23 06:10	07/26/23 10:15	1

Lab Sample ID: LCS 180-441279/2-A
Matrix: Solid
Analysis Batch: 441505

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 441279

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.390		mg/Kg		93	80 - 120		

Lab Sample ID: 180-159726-1 MS
Matrix: Solid
Analysis Batch: 441505

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.161	0.172		mg/Kg	☼	107	80 - 120		

Lab Sample ID: 180-159726-1 MSD
Matrix: Solid
Analysis Batch: 441505

Client Sample ID: SSHS-ISMP-NAF-UT-S87
Prep Type: Total/NA
Prep Batch: 441279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.168	0.175		mg/Kg	☼	104	80 - 120	2	20

GC/MS VOA

Analysis Batch: 441177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 8260C	441210
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	EPA 8260C	441210
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	EPA 8260C	441210
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	EPA 8260C	441210
MB 180-441177/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-441177/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-441177/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 441210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	5035	
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	5035	
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	5035	
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 441204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3541	
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	3541	
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	3541	
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	3541	
MB 180-441204/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-441204/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-441204/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 441213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 8270D	441204
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	EPA 8270D	441204
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	EPA 8270D	441204
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	EPA 8270D	441204
MB 180-441204/1-A	Method Blank	Total/NA	Solid	EPA 8270D	441204
LCS 180-441204/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	441204
LCSD 180-441204/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	441204

GC Semi VOA

Prep Batch: 441202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3541	
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	3541	
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	3541	
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	3541	
MB 180-441202/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-441202/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-441202/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Cleanup Batch: 441268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3665A	441202

GC Semi VOA (Continued)

Cleanup Batch: 441268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	3665A	441202
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	3665A	441202
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	3665A	441202

Cleanup Batch: 441269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3660B	441268
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	3660B	441268
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	3660B	441268
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	3660B	441268

Analysis Batch: 441274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 8082A	441269
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	EPA 8082A	441269
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	EPA 8082A	441269
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	EPA 8082A	441269
MB 180-441202/1-A	Method Blank	Total/NA	Solid	EPA 8082A	441202
LCS 180-441202/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	441202
LCSD 180-441202/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	441202

Metals

Prep Batch: 441279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	7471B	
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	7471B	
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	7471B	
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	7471B	
MB 180-441279/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-441279/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-159726-1 MS	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	7471B	
180-159726-1 MSD	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	7471B	

Prep Batch: 441297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3050B	
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	3050B	
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	3050B	
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	3050B	
MB 180-441297/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-441297/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-159726-1 MS	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3050B	
180-159726-1 MSD	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	3050B	

Analysis Batch: 441505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 7471B	441279
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	EPA 7471B	441279
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	EPA 7471B	441279
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	EPA 7471B	441279

Metals (Continued)

Analysis Batch: 441505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-441279/1-A	Method Blank	Total/NA	Solid	EPA 7471B	441279
LCS 180-441279/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	441279
180-159726-1 MS	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 7471B	441279
180-159726-1 MSD	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 7471B	441279

Analysis Batch: 441766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 6010C	441297
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	EPA 6010C	441297
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	EPA 6010C	441297
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	EPA 6010C	441297
MB 180-441297/1-A	Method Blank	Total/NA	Solid	EPA 6010C	441297
LCS 180-441297/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	441297
180-159726-1 MS	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 6010C	441297
180-159726-1 MSD	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 6010C	441297

Analysis Batch: 442039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 6010C	441297
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	EPA 6010C	441297
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	EPA 6010C	441297
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	EPA 6010C	441297
MB 180-441297/1-A	Method Blank	Total/NA	Solid	EPA 6010C	441297
LCS 180-441297/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	441297
180-159726-1 MS	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 6010C	441297
180-159726-1 MSD	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	EPA 6010C	441297

General Chemistry

Analysis Batch: 441142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159726-1	SSHS-ISMP-NAF-UT-S87	Total/NA	Solid	2540G	
180-159726-2	SSHS-ISMP-NAF-DUP20A	Total/NA	Solid	2540G	
180-159726-3	SSHS-ISMP-NAF-UT-S88	Total/NA	Solid	2540G	
180-159726-4	SSHS-ISMP-NAF-UT-B32	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S87	7/21/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-DUP20A	7/21/23	-	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S88	7/21/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B32	7/21/23	1525	G	S	N	N	X	X	X	X	X	X	8	

180-159726 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Zach Miller	Date/Time: 7/21/23 16:30	Company: Geosyntec	Received by:	Date/Time: 7/22/23 0930	Company: EPI PANE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

8/1/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S87	7/21/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-DUP20A	7/21/23		G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S88	7/21/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B32	7/21/23	1525	G	S	N	N	X	X	X	X	X	X	8	

180-159726 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Zach Miller	7/21/23 1630	Company: Geosyntec		7/22/23 0900	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 5.1

Cooler Temperature(s) °C and Other Remarks: 5.1 v

Ver: 01/16/2019

8/1/2023

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Sacramento Sample Receiving Notes

180-159726 Field Sheet

Tracking # 7727 3631 4805

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations. File in the job folder with the COC

Therm ID 202 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 22123 18

Cooler ID _____

Temp Observed 5.1 °C Corrected 5.1 °C

From Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials JW Date 7/22/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☐	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☒ SU 7/22/23
Zero headspace?*	☒	☐	☐ SU 7/22/23
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☐
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials JG Date 7/22/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
NCM Filed?	☐	☒	☐
Log Release checked in TALS?	☐	☐	☒

Initials JG Date 7/22/23


ORIGIN ID:ELMA (240) 939-7056
CONSTRUCTION ENTRANCE - GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
ELMIRA, NY 14904
UNITED STATES US
TO TESTAMERICA LAB
WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605
(916) 373-5600
INV: 02
PO: 01
REF: MN0832L
DEPT: 1751
FedEx Express
SATURDAY 12:00P
PRIORITY OVERNIGHT
TRK# 0201 7727 3631 4805
X0 BLUA
95605
CA-US SMF
eurofins | Environment Testing TestAmerica
2212318
Custody Seal
DATE
SIGNATURE

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159726-1

Login Number: 159726
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-159816-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-159816-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159816-2

Comments
Notation was made to the COC regarding a change to a sample ID.

Receipt
The samples were received on 7/26/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 3.3º C and 5.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-23
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	06-01-23 *
Nevada	State	CA00044	08-31-23
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159816-1	SSHS-ISMP-NAF-UT-S89	Solid	07/25/23 14:00	07/26/23 09:47
180-159816-5	SSHS-ISMP-NAF-UT-S93	Solid	07/25/23 14:20	07/26/23 09:47
180-159816-6	SSHS-ISMP-NAF-DUP21A	Solid	07/25/23 00:00	07/26/23 09:47
180-159816-9	SSHS-ISMP-NAF-UT-B34	Solid	07/25/23 14:35	07/26/23 09:47

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.42 g	10.0 mL	694440	07/28/23 04:28	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	695341	08/01/23 14:21	C1P	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5
Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	694440	07/28/23 04:28	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	695341	08/01/23 14:32	C1P	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.46 g	10.0 mL	694440	07/28/23 04:28	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	695341	08/01/23 15:06	C1P	EET SAC
	Instrument ID: A23									

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9
Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	694440	07/28/23 04:28	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	695341	08/01/23 15:17	C1P	EET SAC
	Instrument ID: A23									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S89
Lab Sample ID: 180-159816-1
Date Collected: 07/25/23 14:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
6:2 FTS	**0.058**	**J B**	0.21	0.029	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	07/28/23 04:28	08/01/23 14:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C5 PFPeA	*92*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C2 PFHxA	*79*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C4 PFOA	*91*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C5 PFNA	*86*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C2 PFDA	*68*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C2 PFUnA	*67*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C2 PFDoA	*69*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C3 PFBS	*76*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
18O2 PFHxS	*84*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C4 PFOS	*68*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
13C8 FOSA	*73*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
d3-NMeFOSAA	*63*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
d5-NEtFOSAA	*71*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*
M2-8:2 FTS	*65*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:21*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Lab Sample ID: 180-159816-5

Date Collected: 07/25/23 14:20
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 86.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.20**	**J**	0.22	0.050	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorooctanesulfonic acid (PFOS)	**0.050**	**J**	0.22	0.047	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
6:2 FTS	**0.066**	**J B**	0.22	0.029	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/28/23 04:28	08/01/23 14:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C2 PFHxA	*74*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C4 PFOA	*91*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C5 PFNA	*95*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C2 PFDA	*76*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C2 PFUnA	*76*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C2 PFDoA	*80*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C3 PFBS	*72*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
18O2 PFHxS	*82*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C4 PFOS	*76*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
13C8 FOSA	*75*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*07/28/23 04:28*	*08/01/23 14:32*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-159816-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-DUP21A
Lab Sample ID: 180-159816-6
Date Collected: 07/25/23 00:00
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 83.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.18**	**J**	0.22	0.050	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorobutanesulfonic acid (PFBS)	**0.066**	**J**	0.22	0.042	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorooctanesulfonic acid (PFOS)	**0.053**	**J**	0.22	0.047	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
6:2 FTS	**0.050**	**J B**	0.22	0.029	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	07/28/23 04:28	08/01/23 15:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C2 PFHxA	*79*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C4 PFHpA	*91*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C4 PFOA	*96*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C5 PFNA	*97*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C2 PFDA	*80*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C2 PFUnA	*75*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C2 PFDoA	*91*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C3 PFBS	*86*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
18O2 PFHxS	*85*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C4 PFOS	*80*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
13C8 FOSA	*81*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*
M2-8:2 FTS	*82*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:06*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-B34
Lab Sample ID: 180-159816-9

Date Collected: 07/25/23 14:35
Matrix: Solid
Date Received: 07/26/23 09:47
Percent Solids: 82.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.24	0.055	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.049	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorohexanoic acid (PFHxA)	ND		0.24	0.037	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.045	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.063	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.026	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.057	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.050	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorobutanesulfonic acid (PFBS)	**0.076**	**J**	0.24	0.045	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.058	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.051	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.062	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
Perfluorooctanesulfonamide (FOSA)	**0.042**	**J**	0.24	0.039	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.027	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.057	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
6:2 FTS	**0.060**	**J B**	0.24	0.032	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	07/28/23 04:28	08/01/23 15:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C5 PFPeA	*91*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C2 PFHxA	*76*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C4 PFHpA	*86*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C4 PFOA	*80*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C5 PFNA	*72*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C2 PFDA	*50*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C2 PFUnA	*49*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C2 PFDoA	*59*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C2 PFTeDA	*70*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C3 PFBS	*77*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
18O2 PFHxS	*77*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C4 PFOS	*52*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
13C8 FOSA	*54*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
d3-NMeFOSAA	*44*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
d5-NEtFOSAA	*50*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*
M2-8:2 FTS	*50*		*25 - 150*	*07/28/23 04:28*	*08/01/23 15:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-694440/1-A
Matrix: Solid
Analysis Batch: 695341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
6:2 FTS	0.0278	J	0.20	0.027	ug/Kg		07/28/23 04:28	08/01/23 13:58	1
8:2 FTS	ND		0.20	0.035	ug/Kg		07/28/23 04:28	08/01/23 13:58	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C5 PFPeA	*81*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C2 PFHxA	*69*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C4 PFHpA	*79*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C4 PFOA	*81*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C5 PFNA	*82*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C2 PFDA	*73*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C2 PFUnA	*73*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C2 PFDoA	*83*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C3 PFBS	*73*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
18O2 PFHxS	*75*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C4 PFOS	*69*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
13C8 FOSA	*66*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
d5-NEtFOSAA	*80*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*07/28/23 04:28*	*08/01/23 13:58*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-694440/2-A
Matrix: Solid
Analysis Batch: 695688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.05		ug/Kg		102	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.07		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.06		ug/Kg		103	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.87		ug/Kg		94	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.98		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.14		ug/Kg		107	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.05		ug/Kg		102	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.17		ug/Kg		109	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.96		ug/Kg		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.29		ug/Kg		115	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.81		ug/Kg		102	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.73		ug/Kg		95	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.39		ug/Kg		125	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.85		ug/Kg		99	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.22		ug/Kg		115	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.97		ug/Kg		99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.89		ug/Kg		95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.83		ug/Kg		91	72 - 132
6:2 FTS	1.90	2.03		ug/Kg		106	73 - 139
8:2 FTS	1.92	2.02		ug/Kg		105	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*90*		*25 - 150*
13C5 PFPeA	*101*		*25 - 150*
13C2 PFHxA	*80*		*25 - 150*
13C4 PFHpA	*95*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*83*		*25 - 150*
13C2 PFDA	*75*		*25 - 150*
13C2 PFUnA	*80*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*89*		*25 - 150*
13C3 PFBS	*79*		*25 - 150*
18O2 PFHxS	*92*		*25 - 150*
13C4 PFOS	*77*		*25 - 150*
13C8 FOSA	*76*		*25 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*94*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-694440/2-A
Matrix: Solid
Analysis Batch: 695688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694440

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*115*		*25 - 150*
M2-8:2 FTS	*78*		*25 - 150*

Lab Sample ID: 180-159816-5 MS
Matrix: Solid
Analysis Batch: 695341

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Prep Type: Total/NA
Prep Batch: 694440

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.20	J	2.25	2.52		ug/Kg	☼	103	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.25	2.58		ug/Kg	☼	115	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.25	2.48		ug/Kg	☼	110	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.25	2.13		ug/Kg	☼	95	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.25	2.31		ug/Kg	☼	103	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.25	2.36		ug/Kg	☼	105	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.25	2.51		ug/Kg	☼	111	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.25	2.48		ug/Kg	☼	110	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.25	2.43		ug/Kg	☼	108	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.25	2.70		ug/Kg	☼	120	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.25	2.29		ug/Kg	☼	102	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		2.00	1.98		ug/Kg	☼	99	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.05	1.97		ug/Kg	☼	96	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.15	2.40		ug/Kg	☼	112	76 - 136
Perfluorooctanesulfonic acid (PFOS)	0.050	J	2.09	2.14		ug/Kg	☼	100	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.17	2.23		ug/Kg	☼	103	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.25	2.22		ug/Kg	☼	99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.25	2.12		ug/Kg	☼	94	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.25	2.08		ug/Kg	☼	93	72 - 132
6:2 FTS	0.066	J B	2.14	2.37		ug/Kg	☼	107	73 - 139
8:2 FTS	ND		2.16	2.38		ug/Kg	☼	110	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*91*		*25 - 150*
13C5 PFPeA	*95*		*25 - 150*
13C2 PFHxA	*77*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*93*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*75*		*25 - 150*
13C2 PFUnA	*74*		*25 - 150*
13C2 PFDoA	*77*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159816-5 MS
Matrix: Solid
Analysis Batch: 695341

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Prep Type: Total/NA
Prep Batch: 694440

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	88		25 - 150
13C3 PFBS	80		25 - 150
18O2 PFHxS	87		25 - 150
13C4 PFOS	78		25 - 150
13C8 FOSA	69		25 - 150
d3-NMeFOSAA	71		25 - 150
d5-NEtFOSAA	83		25 - 150
M2-6:2 FTS	96		25 - 150
M2-8:2 FTS	83		25 - 150

Lab Sample ID: 180-159816-5 MSD
Matrix: Solid
Analysis Batch: 695341

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Prep Type: Total/NA
Prep Batch: 694440

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.20	J	2.28	2.61		ug/Kg	☼	106	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	ND		2.28	2.62		ug/Kg	☼	115	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)	ND		2.28	2.41		ug/Kg	☼	106	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.28	2.22		ug/Kg	☼	97	71 - 131	4	30
Perfluorooctanoic acid (PFOA)	ND		2.28	2.34		ug/Kg	☼	103	72 - 132	1	30
Perfluorononanoic acid (PFNA)	ND		2.28	2.37		ug/Kg	☼	104	73 - 133	1	30
Perfluorodecanoic acid (PFDA)	ND		2.28	2.50		ug/Kg	☼	110	72 - 132	0	30
Perfluoroundecanoic acid (PFUnA)	ND		2.28	2.41		ug/Kg	☼	106	66 - 126	3	30
Perfluorododecanoic acid (PFDoA)	ND		2.28	2.63		ug/Kg	☼	115	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)	ND		2.28	2.72		ug/Kg	☼	120	71 - 131	1	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.28	2.18		ug/Kg	☼	96	67 - 127	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		2.02	2.05		ug/Kg	☼	101	69 - 129	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.08	1.96		ug/Kg	☼	94	62 - 122	1	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.17	2.57		ug/Kg	☼	118	76 - 136	7	30
Perfluorooctanesulfonic acid (PFOS)	0.050	J	2.12	2.22		ug/Kg	☼	102	68 - 141	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.20	2.22		ug/Kg	☼	101	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)	ND		2.28	2.25		ug/Kg	☼	99	77 - 137	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.28	2.16		ug/Kg	☼	95	72 - 132	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.28	2.07		ug/Kg	☼	91	72 - 132	1	30
6:2 FTS	0.066	J B	2.17	2.29		ug/Kg	☼	102	73 - 139	3	30
8:2 FTS	ND		2.19	2.33		ug/Kg	☼	107	75 - 135	2	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	91		25 - 150
13C5 PFPeA	97		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-159816-5 MSD
Matrix: Solid
Analysis Batch: 695341

Client Sample ID: SSHS-ISMP-NAF-UT-S93
Prep Type: Total/NA
Prep Batch: 694440

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	77		25 - 150
13C4 PFHpA	91		25 - 150
13C4 PFOA	94		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	79		25 - 150
13C2 PFUnA	77		25 - 150
13C2 PFDoA	71		25 - 150
13C2 PFTeDA	92		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	86		25 - 150
13C4 PFOS	77		25 - 150
13C8 FOSA	72		25 - 150
d3-NMeFOSAA	75		25 - 150
d5-NEtFOSAA	84		25 - 150
M2-6:2 FTS	104		25 - 150
M2-8:2 FTS	89		25 - 150

LCMS

Prep Batch: 694440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	SHAKE	
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	SHAKE	
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	SHAKE	
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	SHAKE	
MB 320-694440/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-694440/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-159816-5 MS	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	SHAKE	
180-159816-5 MSD	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	SHAKE	

Analysis Batch: 695341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159816-1	SSHS-ISMP-NAF-UT-S89	Total/NA	Solid	537 (modified)	694440
180-159816-5	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	537 (modified)	694440
180-159816-6	SSHS-ISMP-NAF-DUP21A	Total/NA	Solid	537 (modified)	694440
180-159816-9	SSHS-ISMP-NAF-UT-B34	Total/NA	Solid	537 (modified)	694440
MB 320-694440/1-A	Method Blank	Total/NA	Solid	537 (modified)	694440
180-159816-5 MS	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	537 (modified)	694440
180-159816-5 MSD	SSHS-ISMP-NAF-UT-S93	Total/NA	Solid	537 (modified)	694440

Analysis Batch: 695688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-694440/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	694440

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Aron Krasnopoler	Z MILLER 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656 1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-ISMP-NAF-UT-S89	7/25/23	1400	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S90	7/25/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S91	7/25/23	1410	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S92	7/25/23	1415	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-S93	7/25/23	1420	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-DUP21A ID should be SSHS-ISMP-NAF-DUP21A as per Miranda Steimach D. Dunlap 7/26/23	7/25/23	-	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-UT-S94	7/25/23	1425	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-UT-B33	7/25/23	1430	G	S	N	Y	X	X	X	X										14	
SSHS-ISMP-NAF-UT-B34	7/25/23	1435	G	S	N	N	X	X	X	X	X	X								8	

180-159816 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 7/25/23 16:00	Company: Geosyntec	Received by:	Date/Time: 7/26/23 09:47	Company: Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

8/4/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	PO #: MN0832I
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

180-159816 Chain of Custody

Preservation Codes:

HCL	M	Hexane	
NaOH	N	None	
Zn Acetate	O	AsNaO2	
Nitric Acid	P	Na2O4S	
NaHSO4	Q	Na2SO3	
MeOH	R	Na2S2O3	
Amchlor	S	H2SO4	
Ascorbic Acid	T	TSP Dodecahydrate	
Ice	U	Acetone	
DI Water	V	MCAA	
K EDTA	W	pH 4-5	
L EDA	Z	other (specify)	

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containe	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-UT-S89	7/25/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S90	7/25/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S91	7/25/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S92	7/25/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-S93	7/25/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP21A	7/25/23		G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-UT-S94	7/25/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-UT-B33	7/25/23	1430	G	S	N	Y	X	X	X	X			14	
SSHS-ISMP-NAF-UT-B34	7/25/23	1435	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 7/25/23 16.00	Company: Geosyntec	Received by:	Date/Time: 7/26/23	Company GEL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 221235 | Cooler Temperature(s) °C and Other Remarks: 5.2

Ver: 01/16/2019

8/4/2023

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Sacramento Sample Receiving Notes

180-159816 Field Sheet

Job _____

Tracking # 7724 0094 7996

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID: 402 Corr Factor: (+ / -) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 221315

Cooler ID _____

Temp Observed 5.2 °C Corrected 5.2 °C

From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials MM Date 7/26/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☑ SO 7/26/23
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SO Date 7/26/23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SO Date 7/26/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159816-2

Login Number: 159816
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-159816-2

Login Number: 159816
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 07/26/23 06:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2212315
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 8/22/2023 8:29:34 AM

JOB DESCRIPTION

Former Sperry Remington-Confirmation

JOB NUMBER

180-160800-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Job ID: 180-160800-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-160800-2

Comments
Notation was made to the COC regarding changes to the sample IDs.

Receipt
The samples were received on 8/15/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.6º C, 4.1º C and 5.4º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-23
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-160800-1	SSHS-ISMP-NAF-LP-S1	Solid	08/14/23 14:30	08/15/23 09:24
180-160800-5	SSHS-ISMP-NAF-LP-S5	Solid	08/14/23 14:50	08/15/23 09:24
180-160800-6	SSHS-ISMP-NAF-DUP22A	Solid	08/14/23 00:00	08/15/23 09:24
180-160800-9	SSHS-ISMP-NAF-LP-B2	Solid	08/14/23 15:05	08/15/23 09:24

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1
Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.48 g	10.0 mL	699404	08/16/23 20:23	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	699843	08/18/23 14:15	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	699404	08/16/23 20:23	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	699843	08/18/23 14:25	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.00 g	10.0 mL	699404	08/16/23 20:23	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	699843	08/18/23 14:36	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.0 mL	699404	08/16/23 20:23	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	699843	08/18/23 14:56	RS1	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1

Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.058	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.047	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	08/16/23 20:23	08/18/23 14:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C5 PFPeA	*82*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C2 PFHxA	*87*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C4 PFHpA	*89*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C4 PFOA	*89*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C5 PFNA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C2 PFDA	*92*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C2 PFUnA	*88*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C2 PFDoA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C2 PFTeDA	*58*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C3 PFBS	*69*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
18O2 PFHxS	*77*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C4 PFOS	*76*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
13C8 FOSA	*95*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:15*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.053	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.036	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.061	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.049	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	08/16/23 20:23	08/18/23 14:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C5 PFPeA	*83*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C2 PFHxA	*91*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C4 PFHpA	*90*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C4 PFOA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C5 PFNA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C2 PFDA	*88*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C2 PFUnA	*87*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C2 PFDoA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C2 PFTeDA	*66*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C3 PFBS	*66*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
18O2 PFHxS	*74*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C4 PFOS	*73*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
13C8 FOSA	*90*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
M2-6:2 FTS	*63*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:25*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.24	0.054	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.048	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorohexanoic acid (PFHxA)	ND		0.24	0.036	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.045	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.062	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.026	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.056	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.049	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.035	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.045	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.034	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.058	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.051	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.061	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.039	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.027	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.056	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1
8:2 FTS	ND		0.24	0.041	ug/Kg	☼	08/16/23 20:23	08/18/23 14:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C5 PFPeA	*81*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C2 PFHxA	*87*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C4 PFHpA	*87*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C4 PFOA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C5 PFNA	*81*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C2 PFDA	*82*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C2 PFUnA	*83*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C2 PFDoA	*80*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C3 PFBS	*67*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
18O2 PFHxS	*73*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C4 PFOS	*72*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
13C8 FOSA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
M2-6:2 FTS	*62*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*
M2-8:2 FTS	*66*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:36*	*1*

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9

Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.052	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.046	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.047	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.055	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.049	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
6:2 FTS	ND		0.23	0.030	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1
8:2 FTS	ND		0.23	0.039	ug/Kg	☼	08/16/23 20:23	08/18/23 14:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*36*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C5 PFPeA	*81*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C2 PFHxA	*90*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C4 PFHpA	*92*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C4 PFOA	*91*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C5 PFNA	*93*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C2 PFDA	*101*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C2 PFUnA	*96*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C2 PFDoA	*92*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C3 PFBS	*75*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
18O2 PFHxS	*80*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C4 PFOS	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
13C8 FOSA	*107*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*08/16/23 20:23*	*08/18/23 14:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-699404/1-A
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
6:2 FTS	ND		0.20	0.027	ug/Kg		08/16/23 20:23	08/18/23 13:14	1
8:2 FTS	ND		0.20	0.035	ug/Kg		08/16/23 20:23	08/18/23 13:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*40*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C5 PFPeA	*80*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C2 PFHxA	*83*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C4 PFHpA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C4 PFOA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C5 PFNA	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C2 PFDA	*93*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C2 PFUnA	*87*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C2 PFDoA	*90*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C3 PFBS	*78*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
18O2 PFHxS	*86*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C4 PFOS	*87*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
13C8 FOSA	*100*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*08/16/23 20:23*	*08/18/23 13:14*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-699404/2-A
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.09		ug/Kg		105	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.12		ug/Kg		106	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.05		ug/Kg		102	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.06		ug/Kg		103	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.32		ug/Kg		116	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.06		ug/Kg		103	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.04		ug/Kg		102	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		101	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.36		ug/Kg		118	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.07		ug/Kg		104	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.88		ug/Kg		94	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.90		ug/Kg		107	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.74		ug/Kg		95	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.88		ug/Kg		99	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.83		ug/Kg		98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.90		ug/Kg		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.11		ug/Kg		106	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.94		ug/Kg		97	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.13		ug/Kg		107	72 - 132
6:2 FTS	1.90	1.89		ug/Kg		99	73 - 139
8:2 FTS	1.92	1.95		ug/Kg		102	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*40*		*25 - 150*
13C5 PFPeA	*78*		*25 - 150*
13C2 PFHxA	*89*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*87*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*93*		*25 - 150*
13C2 PFUnA	*94*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*78*		*25 - 150*
13C3 PFBS	*83*		*25 - 150*
18O2 PFHxS	*89*		*25 - 150*
13C4 PFOS	*93*		*25 - 150*
13C8 FOSA	*99*		*25 - 150*
d3-NMeFOSAA	*97*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-699404/2-A
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699404

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	86		25 - 150

Lab Sample ID: LCSD 320-699404/12-A
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 699404

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			2.00	2.03		ug/Kg		101	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)			2.00	2.06		ug/Kg		103	69 - 129	3	30
Perfluorohexanoic acid (PFHxA)			2.00	2.01		ug/Kg		101	71 - 131	2	30
Perfluoroheptanoic acid (PFHpA)			2.00	2.05		ug/Kg		103	71 - 131	0	30
Perfluorooctanoic acid (PFOA)			2.00	2.20		ug/Kg		110	72 - 132	5	30
Perfluorononanoic acid (PFNA)			2.00	1.95		ug/Kg		97	73 - 133	5	30
Perfluorodecanoic acid (PFDA)			2.00	2.01		ug/Kg		100	72 - 132	2	30
Perfluoroundecanoic acid (PFUnA)			2.00	1.98		ug/Kg		99	66 - 126	2	30
Perfluorododecanoic acid (PFDoA)			2.00	2.07		ug/Kg		103	71 - 131	13	30
Perfluorotridecanoic acid (PFTriA)			2.00	2.05		ug/Kg		102	71 - 131	1	30
Perfluorotetradecanoic acid (PFTeA)			2.00	1.85		ug/Kg		93	67 - 127	1	30
Perfluorobutanesulfonic acid (PFBS)			1.78	1.93		ug/Kg		109	69 - 129	2	30
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.72		ug/Kg		95	62 - 122	1	30
Perfluoroheptanesulfonic acid (PFHpS)			1.91	1.80		ug/Kg		95	76 - 136	4	30
Perfluorooctanesulfonic acid (PFOS)			1.86	1.84		ug/Kg		99	68 - 141	1	30
Perfluorodecanesulfonic acid (PFDS)			1.93	1.87		ug/Kg		97	71 - 131	2	30
Perfluorooctanesulfonamide (FOSA)			2.00	1.99		ug/Kg		99	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	1.91		ug/Kg		96	72 - 132	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	2.05		ug/Kg		103	72 - 132	4	30
6:2 FTS			1.90	1.80		ug/Kg		94	73 - 139	5	30
8:2 FTS			1.92	1.79		ug/Kg		93	75 - 135	9	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	108		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	116		25 - 150
13C4 PFHpA	123		25 - 150
13C4 PFOA	116		25 - 150
13C5 PFNA	119		25 - 150
13C2 PFDA	121		25 - 150
13C2 PFUnA	120		25 - 150
13C2 PFDoA	127		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-699404/12-A
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 699404

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	109		25 - 150
13C3 PFBS	106		25 - 150
18O2 PFHxS	115		25 - 150
13C4 PFOS	118		25 - 150
13C8 FOSA	124		25 - 150
d3-NMeFOSAA	127		25 - 150
d5-NEtFOSAA	114		25 - 150
M2-6:2 FTS	116		25 - 150
M2-8:2 FTS	116		25 - 150

Lab Sample ID: 180-160800-9 MS
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Prep Type: Total/NA
Prep Batch: 699404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.17	2.16		ug/Kg	☼	99	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.17	2.13		ug/Kg	☼	98	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.17	2.10		ug/Kg	☼	97	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.17	2.16		ug/Kg	☼	100	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.17	2.47		ug/Kg	☼	114	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.17	2.15		ug/Kg	☼	99	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.17	2.17		ug/Kg	☼	100	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.17	2.15		ug/Kg	☼	99	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.17	2.31		ug/Kg	☼	107	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.17	2.23		ug/Kg	☼	103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.17	1.96		ug/Kg	☼	90	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.93	2.01		ug/Kg	☼	104	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.98	1.87		ug/Kg	☼	95	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.07	1.96		ug/Kg	☼	95	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.02	1.98		ug/Kg	☼	98	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.09	1.98		ug/Kg	☼	95	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.17	2.14		ug/Kg	☼	99	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.17	1.98		ug/Kg	☼	91	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.17	2.16		ug/Kg	☼	100	72 - 132
6:2 FTS	ND		2.07	1.91		ug/Kg	☼	92	73 - 139
8:2 FTS	ND		2.08	2.16		ug/Kg	☼	104	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	83		25 - 150
13C5 PFPeA	84		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-160800-9 MS
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Prep Type: Total/NA
Prep Batch: 699404

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFHxA	94		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	90		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	98		25 - 150
13C2 PFTeDA	85		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	82		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	100		25 - 150
d3-NMeFOSAA	97		25 - 150
d5-NEtFOSAA	89		25 - 150
M2-6:2 FTS	77		25 - 150
M2-8:2 FTS	90		25 - 150

Lab Sample ID: 180-160800-9 MSD
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Prep Type: Total/NA
Prep Batch: 699404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.18	2.19		ug/Kg	☼	100	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	ND		2.18	2.22		ug/Kg	☼	101	69 - 129	4	30
Perfluorohexanoic acid (PFHxA)	ND		2.18	2.15		ug/Kg	☼	99	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.18	2.29		ug/Kg	☼	105	71 - 131	5	30
Perfluorooctanoic acid (PFOA)	ND		2.18	2.43		ug/Kg	☼	111	72 - 132	2	30
Perfluorononanoic acid (PFNA)	ND		2.18	2.20		ug/Kg	☼	101	73 - 133	3	30
Perfluorodecanoic acid (PFDA)	ND		2.18	2.20		ug/Kg	☼	101	72 - 132	1	30
Perfluoroundecanoic acid (PFUnA)	ND		2.18	2.20		ug/Kg	☼	101	66 - 126	2	30
Perfluorododecanoic acid (PFDoA)	ND		2.18	2.49		ug/Kg	☼	114	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)	ND		2.18	2.35		ug/Kg	☼	107	71 - 131	5	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.18	2.05		ug/Kg	☼	94	67 - 127	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.94	1.99		ug/Kg	☼	103	69 - 129	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.99	1.93		ug/Kg	☼	97	62 - 122	3	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.08	2.03		ug/Kg	☼	98	76 - 136	4	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.03	1.97		ug/Kg	☼	97	68 - 141	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.10	1.92		ug/Kg	☼	91	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	ND		2.18	2.21		ug/Kg	☼	101	77 - 137	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.18	2.15		ug/Kg	☼	98	72 - 132	8	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-160800-9 MSD
Matrix: Solid
Analysis Batch: 699843

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Prep Type: Total/NA
Prep Batch: 699404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.18	2.14		ug/Kg	☼	98	72 - 132	1	30
6:2 FTS	ND		2.08	2.03		ug/Kg	☼	98	73 - 139	6	30
8:2 FTS	ND		2.10	2.01		ug/Kg	☼	96	75 - 135	8	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*82*		*25 - 150*
13C5 PFPeA	*86*		*25 - 150*
13C2 PFHxA	*94*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*92*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*98*		*25 - 150*
13C2 PFDoA	*91*		*25 - 150*
13C2 PFTeDA	*86*		*25 - 150*
13C3 PFBS	*74*		*25 - 150*
18O2 PFHxS	*80*		*25 - 150*
13C4 PFOS	*84*		*25 - 150*
13C8 FOSA	*98*		*25 - 150*
d3-NMeFOSAA	*93*		*25 - 150*
d5-NEtFOSAA	*90*		*25 - 150*
M2-6:2 FTS	*75*		*25 - 150*
M2-8:2 FTS	*92*		*25 - 150*

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-2
Project/Site: Former Sperry Remington-Confirmation

LCMS

Prep Batch: 699404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	SHAKE	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	SHAKE	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	SHAKE	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	SHAKE	
MB 320-699404/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-699404/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCSD 320-699404/12-A	Lab Control Sample Dup	Total/NA	Solid	SHAKE	
180-160800-9 MS	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	SHAKE	
180-160800-9 MSD	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	SHAKE	

Analysis Batch: 699843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	537 (modified)	699404
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	537 (modified)	699404
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	537 (modified)	699404
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	537 (modified)	699404
MB 320-699404/1-A	Method Blank	Total/NA	Solid	537 (modified)	699404
LCS 320-699404/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	699404
LCSD 320-699404/12-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	699404
180-160800-9 MS	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	537 (modified)	699404
180-160800-9 MSD	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	537 (modified)	699404

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
	Z MILLER	Dunlap, David A		180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address	Due Date Requested:
10211 Wincopin Circle 4th Floor	
City: Columbia	TAT Requested (days): 3-Day
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

as per Miranda Stelmach, change IDs as noted below D. Dunlap 8/21/23

Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-AREAF-S4	SSHS-ISMP-NAF-LP-S1	8/14/23	1430	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-AREAF-S5	SSHS-ISMP-NAF-LP-S2	8/14/23	1435	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S6	SSHS-ISMP-NAF-LP-S3	8/14/23	1440	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S7	SSHS-ISMP-NAF-LP-S4	8/14/23	1445	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S8	SSHS-ISMP-NAF-LP-S5	8/14/23	1450	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-DUP306	SSHS-ISMP-NAF-DUP22A	8/14/23	-	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-AREAF-S9	SSHS-ISMP-NAF-LP-S6	8/14/23	1455	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-B6	SSHS-ISMP-NAF-LP-B1	8/14/23	1500	G	S	N	Y	X	X	X	X											16	
SSHS-IRM5A2-AREAF-B7	SSHS-ISMP-NAF-LP-B2	8/14/23	1505	G	S	N	N	X	X	X	X	X	X									8	

180-160800 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer ...
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Miranda Stelmach	8/14/23/1800	Geosyntec		8/15/23 0924	EA
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks.

8/22/2023

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Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-160800 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-AREAF-S4	8/14/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-AREAF-S5	8/14/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-S6	8/14/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-S7	8/14/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-S8	8/14/23	1450	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP306	8/14/23	-	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-AREAF-S9	8/14/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-B6	8/14/23	1500	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-AREAF-B7	8/14/23	1505	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Miller	8/14/23 1800	Company: Geosyntec		8/15/23 0920	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-160800 Field Sheet

Tracking # 7730 4791 4346

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID 102 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 22129

Cooler ID _____

Temp Observed 5.4 °C Corrected 5.4 °C
From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials DM Date 8/15/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date 08/15/23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: DM Date 08/15/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-160800-2

Login Number: 160800
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-160800-2

Login Number: 160800
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 08/15/23 01:58 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2212291
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Z MILLER
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Confirmation

JOB NUMBER

180-160800-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Job ID: 180-160800-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-160800-1

Comments
Notation was made to the COC regarding changes to the sample IDs.

Receipt
The samples were received on 8/15/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.6º C, 4.1º C and 5.4º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethene-d4 for the following sample was above the control limits: SSHS-ISMP-NAF-LP-B2 (180-160800-9). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-443450 recovered below the control limits for the following analyte: Vinyl chloride. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported. The recovery in the laboratory control sample (LCS) was within the control limits.

Method 8260C: The laboratory control sample (LCS) for batch 180-443633 recovered above the control limits for the following analyte: Methyl acetate. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-LP-B1 (180-160800-8) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-443450 was below criteria for the following analytes: Dichlorodifluoromethane, Chloroethane, Chloromethane, Bromomethane, and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-443450 was above criteria for the following analytes: 1,4-Dioxane, Acetone and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-443633 was below criteria for the following analytes: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Chloromethane, and Dichloro,-difluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-443633 was above criteria for the following analytes: 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,4-Dioxane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate Terphenyl-d14 was above the control limits for the following sample: SSHS-ISMP-NAF-LP-B1 (180-160800-8) and its matrix spikes. As the surrogate recovery was high in the parent, matrix spike, and matrix spike duplicate, indicating a matrix interference, re-extraction and/or re-analysis was not performed.

Job ID: 180-160800-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-LP-B1 (180-160800-8) had many recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-443730 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-443580 (CCV 180-443580/4) was below criteria for aroclor 1248 for 2 peaks on column RTX-CLP1 and 2 peaks on column RTX-CLP2. Associated positive sample results for aroclor 1248 did not have these peaks included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: SSHS-ISMP-NAF-LP-S4 (180-160800-4) and SSHS-ISMP-NAF-LP-B1 (180-160800-8) and its matrix spikes. All analytes referencing the yttrium internal standard required dilution due to the yttrium internal standard counts being above criteria.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-LP-B1 (180-160800-8) had the recoveries of antimony below the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-160800-1	SSHS-ISMP-NAF-LP-S1	Solid	08/14/23 14:30	08/15/23 09:24
180-160800-2	SSHS-ISMP-NAF-LP-S2	Solid	08/14/23 14:35	08/15/23 09:24
180-160800-3	SSHS-ISMP-NAF-LP-S3	Solid	08/14/23 14:40	08/15/23 09:24
180-160800-4	SSHS-ISMP-NAF-LP-S4	Solid	08/14/23 14:45	08/15/23 09:24
180-160800-5	SSHS-ISMP-NAF-LP-S5	Solid	08/14/23 14:50	08/15/23 09:24
180-160800-6	SSHS-ISMP-NAF-DUP22A	Solid	08/14/23 00:00	08/15/23 09:24
180-160800-7	SSHS-ISMP-NAF-LP-S6	Solid	08/14/23 14:55	08/15/23 09:24
180-160800-8	SSHS-ISMP-NAF-LP-B1	Solid	08/14/23 15:00	08/15/23 09:24
180-160800-9	SSHS-ISMP-NAF-LP-B2	Solid	08/14/23 15:05	08/15/23 09:24

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1
Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1
Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2302 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443450	08/15/23 16:35	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 12:26	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 08:04	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.75 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.75 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 15:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2
Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2
Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4462 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 17:16	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2
Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 12:48	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 08:22	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:02	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3
Date Collected: 08/14/23 14:40
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3
Date Collected: 08/14/23 14:40
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3089 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 17:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 13:10	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 08:41	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.65 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:26	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3
Date Collected: 08/14/23 14:40
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.65 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:46	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP-S4
Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-S4
Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2237 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 18:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 13:31	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 09:00	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.85 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:31	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.85 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.85 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			444383	08/22/23 15:35	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.85 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			444528	08/24/23 00:08	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:47	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0309 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 18:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 13:54	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 09:18	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.88 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.88 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:48	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3046 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 18:46	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 14:16	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 09:37	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.88 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.88 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:23	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:49	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7
Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7
Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6269 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 19:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 14:38	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 09:56	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.62 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:46	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7
Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.62 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:28	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Lab Sample ID: 180-160800-8
Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Lab Sample ID: 180-160800-8
Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0062 g	5 mL	443700	08/16/23 07:22	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 16:08	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 11:21	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 10:14	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.84 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 22:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.84 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			444240	08/21/23 15:22	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:54	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			443513	08/15/23 12:14	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2267 g	5 mL	443549	08/15/23 14:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	443633	08/16/23 19:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	443613	08/16/23 08:08	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	443730	08/17/23 15:00	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	443573	08/15/23 23:30	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	443578	08/16/23 04:52	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	443579	08/16/23 04:53	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	443580	08/16/23 11:11	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.96 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			443913	08/17/23 23:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.96 g	50 mL	443533	08/16/23 08:06	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			444240	08/21/23 16:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	443515	08/15/23 12:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			443636	08/16/23 08:58	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - S1Z = Sage Ziviello
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - AAS = Ariana Swick
  - CMC = Candace California
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1

Date Collected: 08/14/23 14:30
Matrix: Solid

Date Received: 08/15/23 09:24
Percent Solids: 83.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**33**		29	4.4	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Benzene	ND		5.7	1.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Styrene	ND		5.7	1.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Toluene	ND		5.7	1.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1
Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Vinyl chloride	ND	*-	5.7	4.1	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	08/15/23 14:00	08/15/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*08/15/23 14:00*	*08/15/23 16:35*	*1*
Dibromofluoromethane (Surr)	*70*		*69 - 126*	*08/15/23 14:00*	*08/15/23 16:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*08/15/23 14:00*	*08/15/23 16:35*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*08/15/23 14:00*	*08/15/23 16:35*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Acenaphthylene	ND		80	17	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Acetophenone	ND		800	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Anthracene	ND		80	21	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Atrazine	ND		800	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Benzaldehyde	ND		800	49	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Benzo[a]pyrene	ND		80	34	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Benzo[b]fluoranthene	ND		80	20	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Benzo[g,h,i]perylene	ND		80	17	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Carbazole	ND		80	19	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Chrysene	ND		80	44	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Dibenzofuran	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1
Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Fluoranthene	ND		80	21	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Fluorene	ND		80	16	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Isophorone	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Naphthalene	ND		80	16	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Nitrobenzene	ND		800	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Phenanthrene	ND		80	21	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Phenol	ND		390	120	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
Pyrene	ND		80	19	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*08/16/23 08:08*	*08/17/23 12:26*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*08/16/23 08:08*	*08/17/23 12:26*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*08/16/23 08:08*	*08/17/23 12:26*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*08/16/23 08:08*	*08/17/23 12:26*	*1*
Terphenyl-d14 (Surr)	*105*		*39 - 105*	*08/16/23 08:08*	*08/17/23 12:26*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*08/16/23 08:08*	*08/17/23 12:26*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1221	ND		20	7.0	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1248	ND		20	4.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1254	ND		20	6.0	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1260	ND		20	5.7	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1

Client Sample ID: SSHS-ISMP-NAF-LP-S1
Lab Sample ID: 180-160800-1
Date Collected: 08/14/23 14:30
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		20	7.0	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1
PCB-1268	ND		20	2.7	ug/Kg	☼	08/15/23 23:30	08/16/23 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*08/15/23 23:30*	*08/16/23 08:04*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*08/15/23 23:30*	*08/16/23 08:04*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*08/15/23 23:30*	*08/16/23 08:04*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*08/15/23 23:30*	*08/16/23 08:04*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		16	4.0	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Antimony	**0.33**	**J**	0.80	0.24	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Arsenic	**5.5**		0.80	0.50	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Barium	**130**		16	2.8	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Beryllium	**0.46**		0.32	0.087	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Cadmium	**0.38**	**J**	0.40	0.058	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Calcium	**3300**		400	51	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Chromium	**10**		0.40	0.36	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Cobalt	**6.1**		4.0	0.56	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Copper	**9.5**		2.0	1.2	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Iron	**17000**		8.0	7.7	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Lead	**9.5**		0.80	0.69	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Magnesium	**2500**		400	44	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Manganese	**570**		1.2	0.22	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Nickel	**13**		3.2	0.40	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Potassium	**450**		400	68	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Selenium	**0.72**	**J**	0.80	0.37	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Silver	ND		0.40	0.083	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Sodium	**43**	**J**	400	41	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Thallium	**0.66**	**J**	1.6	0.23	mg/Kg	☼	08/16/23 08:06	08/21/23 15:57	1
Vanadium	**14**		4.0	0.63	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1
Zinc	**47**		1.6	1.2	mg/Kg	☼	08/16/23 08:06	08/17/23 23:15	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	08/15/23 12:45	08/16/23 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.2**		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	**83.8**		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2
Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Benzene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2
Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Methyl acetate	ND	*+	28	8.1	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Styrene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Toluene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2

Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*08/15/23 14:00*	*08/16/23 17:16*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*08/15/23 14:00*	*08/16/23 17:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*08/15/23 14:00*	*08/16/23 17:16*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*08/15/23 14:00*	*08/16/23 17:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**34**	**J**	79	23	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Acenaphthylene	**340**		79	17	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Acetophenone	ND		790	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Anthracene	**720**		79	20	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Atrazine	ND		790	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Benzaldehyde	ND		790	49	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Benzo[a]anthracene	**3800**		79	36	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Benzo[a]pyrene	**3900**		79	34	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Benzo[b]fluoranthene	**4300**		79	19	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Benzo[g,h,i]perylene	**2900**		79	17	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Benzo[k]fluoranthene	**1700**		79	24	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Carbazole	**190**		79	18	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Chrysene	**3400**		79	44	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Dibenz(a,h)anthracene	**630**		79	51	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Dibenzofuran	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2
Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		790	120	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Fluoranthene	**6100**		79	21	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Fluorene	**130**		79	16	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Indeno[1,2,3-cd]pyrene	**2400**		79	39	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Isophorone	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2-Methylnaphthalene	**40**	**J**	79	19	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Naphthalene	**130**		79	15	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Nitrobenzene	ND		790	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Phenanthrene	**3400**		79	21	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Phenol	ND		390	120	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
Pyrene	**7900**		79	19	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*08/16/23 08:08*	*08/17/23 12:48*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*08/16/23 08:08*	*08/17/23 12:48*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*08/16/23 08:08*	*08/17/23 12:48*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*08/16/23 08:08*	*08/17/23 12:48*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 105*	*08/16/23 08:08*	*08/17/23 12:48*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*08/16/23 08:08*	*08/17/23 12:48*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1221	ND		20	7.0	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1248	ND		20	4.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1254	ND		20	6.0	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1260	ND		20	5.7	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1262	ND		20	7.0	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1
PCB-1268	ND		20	2.7	ug/Kg	☼	08/15/23 23:30	08/16/23 08:22	1

Client Sample ID: SSHS-ISMP-NAF-LP-S2
Lab Sample ID: 180-160800-2

Date Collected: 08/14/23 14:35
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 83.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*08/15/23 23:30*	*08/16/23 08:22*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*08/15/23 23:30*	*08/16/23 08:22*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*08/15/23 23:30*	*08/16/23 08:22*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*08/15/23 23:30*	*08/16/23 08:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		22	5.4	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Antimony	**0.49**	**J**	1.1	0.33	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Arsenic	**9.7**		1.1	0.68	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Barium	**100**		22	3.9	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Beryllium	**0.44**		0.44	0.12	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Cadmium	**0.51**	**J**	0.55	0.080	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Calcium	**2800**		550	71	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Chromium	**9.5**		0.55	0.50	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Cobalt	**11**		5.5	0.77	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Copper	**58**		2.7	1.6	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Iron	**20000**		11	11	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Lead	**79**		1.1	0.95	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Magnesium	**1900**		550	60	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Manganese	**540**		1.6	0.30	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Nickel	**18**		4.4	0.55	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Potassium	**540**	**J**	550	93	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Selenium	**0.95**	**J**	1.1	0.50	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Silver	ND		0.55	0.11	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Sodium	ND		550	56	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Thallium	**0.58**	**J**	2.2	0.31	mg/Kg	☼	08/16/23 08:06	08/21/23 16:02	1
Vanadium	**14**		5.5	0.86	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1
Zinc	**84**		2.2	1.6	mg/Kg	☼	08/16/23 08:06	08/17/23 23:20	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**		0.040	0.025	mg/Kg	☼	08/15/23 12:45	08/16/23 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.7**		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	**83.3**		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3

Date Collected: 08/14/23 14:40
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Benzene	ND		5.4	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Carbon disulfide	ND		5.4	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3
Date Collected: 08/14/23 14:40
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Methyl acetate	ND	*+	27	8.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Styrene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Toluene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	08/15/23 14:00	08/16/23 17:38	1

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3

Date Collected: 08/14/23 14:40
Matrix: Solid

Date Received: 08/15/23 09:24
Percent Solids: 86.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*08/15/23 14:00*	*08/16/23 17:38*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*08/15/23 14:00*	*08/16/23 17:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*	*08/15/23 14:00*	*08/16/23 17:38*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*08/15/23 14:00*	*08/16/23 17:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Acenaphthylene	ND		76	17	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Acetophenone	ND		760	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Anthracene	**35**	**J**	76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Atrazine	ND		760	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Benzaldehyde	ND		760	47	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Benzo[a]anthracene	**140**		76	34	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Benzo[a]pyrene	**120**		76	33	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Benzo[b]fluoranthene	**150**		76	19	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Benzo[g,h,i]perylene	**55**	**J**	76	16	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Benzo[k]fluoranthene	**52**	**J**	76	23	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Caprolactam	ND		1900	250	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Carbazole	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Chrysene	**120**		76	42	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Dibenzofuran	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Fluoranthene	**210**		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Fluorene	ND		76	15	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3

Date Collected: 08/14/23 14:40
Matrix: Solid

Date Received: 08/15/23 09:24
Percent Solids: 86.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Hexachloroethane	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Indeno[1,2,3-cd]pyrene	**55**	**J**	76	38	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Isophorone	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2-Methylphenol	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Naphthalene	ND		76	15	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Nitrobenzene	ND		760	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Phenanthrene	**120**		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Phenol	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
Pyrene	**240**		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*44 - 105*	*08/16/23 08:08*	*08/17/23 13:10*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*08/16/23 08:08*	*08/17/23 13:10*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*08/16/23 08:08*	*08/17/23 13:10*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*08/16/23 08:08*	*08/17/23 13:10*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*08/16/23 08:08*	*08/17/23 13:10*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*08/16/23 08:08*	*08/17/23 13:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1221	ND		19	6.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1232	ND		19	4.7	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1248	ND		19	4.6	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1254	ND		19	5.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1260	ND		19	5.5	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1262	ND		19	6.8	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1
PCB-1268	ND		19	2.6	ug/Kg	☼	08/15/23 23:30	08/16/23 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*08/15/23 23:30*	*08/16/23 08:41*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*08/15/23 23:30*	*08/16/23 08:41*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*08/15/23 23:30*	*08/16/23 08:41*	*1*

Client Sample ID: SSHS-ISMP-NAF-LP-S3
Lab Sample ID: 180-160800-3
Date Collected: 08/14/23 14:40
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.6

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*08/15/23 23:30*	*08/16/23 08:41*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		18	4.4	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Antimony	**0.55**	**J**	0.89	0.27	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Arsenic	**6.7**		0.89	0.56	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Barium	**75**		18	3.2	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Beryllium	**0.39**		0.36	0.097	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Cadmium	**0.47**		0.44	0.065	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Calcium	**1300**		440	57	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Chromium	**10**		0.44	0.40	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Cobalt	**6.6**		4.4	0.63	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Copper	**38**		2.2	1.3	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Iron	**19000**		8.9	8.7	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Lead	**18**		0.89	0.77	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Magnesium	**2400**		440	49	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Manganese	**570**		1.3	0.25	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Nickel	**22**		3.6	0.45	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Potassium	**460**		440	76	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Selenium	ND		0.89	0.41	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Silver	ND		0.44	0.092	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Sodium	ND		440	45	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Thallium	**0.64**	**J**	1.8	0.25	mg/Kg	☼	08/16/23 08:06	08/21/23 16:07	1
Vanadium	**15**		4.4	0.70	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1
Zinc	**82**		1.8	1.3	mg/Kg	☼	08/16/23 08:06	08/17/23 23:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	08/15/23 12:45	08/16/23 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.4**		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	**86.6**		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-S4
Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Benzene	ND		5.5	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S4
Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
cis-1,2-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2-Dichloropropane	ND		5.5	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Methyl acetate	ND	*+	27	8.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Styrene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Toluene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*08/15/23 14:00*	*08/16/23 18:01*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*08/15/23 14:00*	*08/16/23 18:01*	*1*

Client Sample ID: SSHS-ISMP-NAF-LP-S4
Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*	*08/15/23 14:00*	*08/16/23 18:01*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*08/15/23 14:00*	*08/16/23 18:01*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Acenaphthylene	ND		76	17	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Acetophenone	ND		760	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Anthracene	ND		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Atrazine	ND		760	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Benzaldehyde	ND		760	47	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Caprolactam	ND		1900	250	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Carbazole	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Chrysene	ND		76	42	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Dibenzofuran	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Di-n-butyl phthalate	**310**	**J**	370	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Fluoranthene	ND		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Fluorene	ND		76	15	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1

Client Sample ID: SSHS-ISMP-NAF-LP-S4
Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Isophorone	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2-Methylphenol	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Naphthalene	ND		76	15	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Nitrobenzene	ND		760	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Phenanthrene	ND		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Phenol	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
Pyrene	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*08/16/23 08:08*	*08/17/23 13:31*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*08/16/23 08:08*	*08/17/23 13:31*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*08/16/23 08:08*	*08/17/23 13:31*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*08/16/23 08:08*	*08/17/23 13:31*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*08/16/23 08:08*	*08/17/23 13:31*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*34 - 108*	*08/16/23 08:08*	*08/17/23 13:31*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1221	ND		19	6.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1232	ND		19	4.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1248	ND		19	4.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1254	ND		19	5.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1260	ND		19	5.4	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1262	ND		19	6.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1
PCB-1268	ND		19	2.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:00*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:00*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:00*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:00*	*1*

Client Sample ID: SSHS-ISMP-NAF-LP-S4

Lab Sample ID: 180-160800-4
Date Collected: 08/14/23 14:45
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.8

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		67	17	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Antimony	ND		3.3	1.0	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Arsenic	**8.1**		0.67	0.42	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Barium	**74**		67	12	mg/Kg	☼	08/16/23 08:06	08/24/23 00:08	5
Beryllium	**0.51**	**J**	1.3	0.37	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Cadmium	**0.43**		0.33	0.049	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Calcium	**870**		330	43	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Chromium	**12**		1.7	1.5	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Cobalt	**8.1**		3.3	0.47	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Copper	**26**		8.4	5.1	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Iron	**18000**		6.7	6.5	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Lead	**12**		0.67	0.58	mg/Kg	☼	08/16/23 08:06	08/21/23 16:12	1
Magnesium	**2200**		330	37	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Manganese	**360**		1.0	0.19	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Nickel	**21**		2.7	0.34	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Potassium	**1100**	**J**	1700	290	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Selenium	ND		0.67	0.31	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1
Silver	ND		1.7	0.35	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Sodium	ND		1700	170	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Thallium	**0.42**	**J**	1.3	0.19	mg/Kg	☼	08/16/23 08:06	08/21/23 16:12	1
Vanadium	**16**	**J**	17	2.6	mg/Kg	☼	08/16/23 08:06	08/22/23 15:35	5
Zinc	**48**		1.3	0.97	mg/Kg	☼	08/16/23 08:06	08/17/23 23:31	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	08/15/23 12:45	08/16/23 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.2**		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	**87.8**		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-S5

Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Benzene	ND		5.9	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Chloroform	ND		5.9	3.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.9	2.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Dichlorobromomethane	ND		5.9	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,1-Dichloroethene	ND		5.9	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,4-Dioxane	ND		1200	89	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Isopropylbenzene	ND		5.9	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Methyl acetate	ND	*+	29	8.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Styrene	ND		5.9	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Toluene	ND		5.9	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Trichloroethene	ND		5.9	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*08/15/23 14:00*	*08/16/23 18:24*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*08/15/23 14:00*	*08/16/23 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*08/15/23 14:00*	*08/16/23 18:24*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*08/15/23 14:00*	*08/16/23 18:24*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Acenaphthylene	ND		79	17	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Acetophenone	ND		790	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Anthracene	ND		79	20	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Atrazine	ND		790	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Benzaldehyde	ND		790	49	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Benzo[a]anthracene	ND		79	35	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Carbazole	ND		79	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Chrysene	ND		79	44	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Dibenzofuran	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Di-n-butyl phthalate	**190**	**J**	390	170	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Fluoranthene	ND		79	21	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Fluorene	ND		79	15	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Isophorone	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1

Client Sample ID: SSHS-ISMP-NAF-LP-S5
Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Naphthalene	ND		79	15	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Nitrobenzene	ND		790	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Phenanthrene	ND		79	21	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Phenol	ND		390	120	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
Pyrene	ND		79	19	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/16/23 08:08	08/17/23 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*08/16/23 08:08*	*08/17/23 13:54*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*08/16/23 08:08*	*08/17/23 13:54*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*08/16/23 08:08*	*08/17/23 13:54*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*08/16/23 08:08*	*08/17/23 13:54*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*08/16/23 08:08*	*08/17/23 13:54*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*08/16/23 08:08*	*08/17/23 13:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1221	ND		20	7.0	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1248	ND		20	4.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1254	ND		20	5.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1260	ND		20	5.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1262	ND		20	6.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:18*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:18*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:18*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		13	3.3	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Antimony	**0.72**		0.67	0.20	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1

Client Sample ID: SSHS-ISMP-NAF-LP-S5

Lab Sample ID: 180-160800-5
Date Collected: 08/14/23 14:50
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 84.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		0.67	0.42	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Barium	29		13	2.4	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Beryllium	0.51		0.27	0.073	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Cadmium	0.52		0.33	0.049	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Calcium	850		330	43	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Chromium	13		0.33	0.30	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Cobalt	8.7		3.3	0.47	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Copper	20		1.7	1.0	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Iron	23000		6.7	6.5	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Lead	10		0.67	0.58	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Magnesium	3200		330	37	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Manganese	280		1.0	0.19	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Nickel	19		2.7	0.34	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Potassium	580		330	57	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Selenium	0.42	J	0.67	0.31	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Silver	ND		0.33	0.070	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Sodium	ND		330	34	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Thallium	0.47	J	1.3	0.19	mg/Kg	☼	08/16/23 08:06	08/21/23 16:17	1
Vanadium	19		3.3	0.53	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1
Zinc	54		1.3	0.97	mg/Kg	☼	08/16/23 08:06	08/17/23 23:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	08/15/23 12:45	08/16/23 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.2		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	84.8		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-DUP22A

Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Benzene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Carbon tetrachloride	ND		5.5	2.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Chlorodibromomethane	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6

Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Cyclohexane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Dichlorodifluoromethane	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Ethylbenzene	ND		5.5	2.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Methyl acetate	ND	*+	28	8.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Styrene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Toluene	ND		5.5	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,1,1-Trichloroethane	ND		5.5	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	08/15/23 14:00	08/16/23 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*08/15/23 14:00*	*08/16/23 18:46*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*08/15/23 14:00*	*08/16/23 18:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*08/15/23 14:00*	*08/16/23 18:46*	*1*
Toluene-d8 (Surr)	*73*		*67 - 134*	*08/15/23 14:00*	*08/16/23 18:46*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6
Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		76	17	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Acetophenone	ND		760	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Anthracene	ND		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Atrazine	ND		760	170	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Benzaldehyde	ND		760	47	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Caprolactam	ND		1900	250	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Carbazole	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Chrysene	ND		76	42	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Dibenz(a,h)anthracene	ND		76	49	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Dibenzofuran	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Fluoranthene	ND		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Fluorene	ND		76	15	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Hexachloroethane	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Isophorone	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2-Methylphenol	ND		380	110	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6

Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		76	15	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Nitrobenzene	ND		760	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Phenanthrene	ND		76	20	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Phenol	ND		380	120	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
Pyrene	ND		76	18	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*08/16/23 08:08*	*08/17/23 14:16*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*08/16/23 08:08*	*08/17/23 14:16*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*08/16/23 08:08*	*08/17/23 14:16*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*08/16/23 08:08*	*08/17/23 14:16*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*08/16/23 08:08*	*08/17/23 14:16*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*08/16/23 08:08*	*08/17/23 14:16*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1221	ND		20	6.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1248	ND		20	4.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1254	ND		20	5.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1260	ND		20	5.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1262	ND		20	6.9	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:37*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:37*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:37*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:37*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		13	3.3	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Antimony	**0.58**	**J**	0.67	0.20	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Arsenic	**8.9**		0.67	0.42	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1

Client Sample ID: SSHS-ISMP-NAF-DUP22A
Lab Sample ID: 180-160800-6

Date Collected: 08/14/23 00:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 85.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	43		13	2.4	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Beryllium	0.54		0.27	0.073	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Cadmium	0.49		0.33	0.049	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Calcium	1100		330	43	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Chromium	13		0.33	0.30	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Cobalt	8.3		3.3	0.47	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Copper	17		1.7	1.0	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Iron	24000		6.7	6.5	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Lead	11		0.67	0.58	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Magnesium	3200		330	37	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Manganese	240		1.0	0.19	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Nickel	19		2.7	0.34	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Potassium	620		330	57	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Selenium	ND		0.67	0.31	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Silver	ND		0.33	0.070	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Sodium	ND		330	34	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Thallium	0.47	J	1.3	0.19	mg/Kg	☼	08/16/23 08:06	08/21/23 16:23	1
Vanadium	19		3.3	0.53	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1
Zinc	57		1.3	0.97	mg/Kg	☼	08/16/23 08:06	08/17/23 23:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.024	mg/Kg	☼	08/15/23 12:45	08/16/23 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.0		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	85.0		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7

Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Benzene	ND		5.1	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7
Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Methyl acetate	ND	*+	25	7.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Styrene	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Toluene	ND		5.1	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*08/15/23 14:00*	*08/16/23 19:09*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*08/15/23 14:00*	*08/16/23 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*08/15/23 14:00*	*08/16/23 19:09*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*08/15/23 14:00*	*08/16/23 19:09*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Acenaphthylene	ND		77	17	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7
Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		770	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Anthracene	ND		77	20	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Atrazine	ND		770	170	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Benzaldehyde	ND		770	47	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Benzo[a]anthracene	ND		77	34	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Benzo[g,h,i]perylene	ND		77	16	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Caprolactam	ND		1900	250	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Carbazole	ND		77	18	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2-Chloronaphthalene	ND		77	17	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Chrysene	ND		77	42	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Dibenzofuran	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Fluoranthene	ND		77	20	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Fluorene	ND		77	15	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Hexachloroethane	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Isophorone	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2-Methylphenol	ND		380	110	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Naphthalene	ND		77	15	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7

Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Nitrobenzene	ND		770	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Phenanthrene	ND		77	20	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Phenol	ND		380	120	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
Pyrene	ND		77	18	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*08/16/23 08:08*	*08/17/23 14:38*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*08/16/23 08:08*	*08/17/23 14:38*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*08/16/23 08:08*	*08/17/23 14:38*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*08/16/23 08:08*	*08/17/23 14:38*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 105*	*08/16/23 08:08*	*08/17/23 14:38*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*08/16/23 08:08*	*08/17/23 14:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1221	ND		19	6.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1232	ND		19	4.6	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1248	ND		19	4.5	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1254	ND		19	5.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1260	ND		19	5.4	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1262	ND		19	6.7	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/15/23 23:30	08/16/23 09:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:56*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*08/15/23 23:30*	*08/16/23 09:56*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:56*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*08/15/23 23:30*	*08/16/23 09:56*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		18	4.6	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Antimony	**0.81**	**J**	0.92	0.28	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Arsenic	**13**		0.92	0.58	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Barium	**44**		18	3.3	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1

Client Sample ID: SSHS-ISMP-NAF-LP-S6
Lab Sample ID: 180-160800-7

Date Collected: 08/14/23 14:55
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 87.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.58**		0.37	0.10	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Cadmium	**0.57**		0.46	0.068	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Calcium	**1100**		460	60	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Chromium	**13**		0.46	0.42	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Cobalt	**9.6**		4.6	0.65	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Copper	**19**		2.3	1.4	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Iron	**27000**		9.2	9.0	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Lead	**11**		0.92	0.80	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Magnesium	**2900**		460	51	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Manganese	**390**		1.4	0.26	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Nickel	**19**		3.7	0.46	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Potassium	**650**		460	78	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Selenium	ND		0.92	0.42	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Silver	ND		0.46	0.096	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Sodium	ND		460	47	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Thallium	**0.60**	**J**	1.8	0.26	mg/Kg	☼	08/16/23 08:06	08/21/23 16:28	1
Vanadium	**20**		4.6	0.73	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1
Zinc	**65**		1.8	1.3	mg/Kg	☼	08/16/23 08:06	08/17/23 23:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.036	0.023	mg/Kg	☼	08/15/23 12:45	08/16/23 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.5**		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	**87.5**		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Lab Sample ID: 180-160800-8

Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Benzene	ND		5.8	1.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
2-Butanone (MEK)	ND	F1	29	2.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Lab Sample ID: 180-160800-8
Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Dichlorodifluoromethane	ND	F1	5.8	2.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,4-Dioxane	ND		1200	88	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
2-Hexanone	ND	F1	29	1.8	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Methyl acetate	ND	*+	29	8.5	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
4-Methyl-2-pentanone (MIBK)	ND	F1	29	2.1	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Styrene	ND		5.8	1.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Toluene	ND		5.8	1.7	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	08/16/23 07:22	08/16/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*60 - 124*	*08/16/23 07:22*	*08/16/23 16:08*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*08/16/23 07:22*	*08/16/23 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*	*08/16/23 07:22*	*08/16/23 16:08*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*08/16/23 07:22*	*08/16/23 16:08*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	F1	78	22	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Acenaphthylene	ND	F1	78	17	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Acetophenone	ND		780	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Lab Sample ID: 180-160800-8
Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND	F1	78	20	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Atrazine	ND	F1	780	170	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Benzaldehyde	ND	F1	780	48	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Benzo[a]anthracene	ND	F1	78	35	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Benzo[a]pyrene	ND	F1	78	34	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Benzo[b]fluoranthene	ND	F1	78	19	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Benzo[k]fluoranthene	ND	F1	78	23	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
1,1'-Biphenyl	ND	F1	380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Bis(2-ethylhexyl) phthalate	ND	F1	3800	410	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4-Bromophenyl phenyl ether	ND	F1	380	160	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Butyl benzyl phthalate	ND	F1	380	270	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Caprolactam	ND	F1	2000	250	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Carbazole	ND	F1	78	18	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4-Chloro-3-methylphenol	ND	F1	380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2-Chloronaphthalene	ND	F1	78	18	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2-Chlorophenol	ND	F1	380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4-Chlorophenyl phenyl ether	ND	F1	380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Chrysene	ND	F1	78	43	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Dibenzofuran	ND	F1	380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
3,3'-Dichlorobenzidine	ND	F1	380	360	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,4-Dichlorophenol	ND	F1	78	30	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Diethyl phthalate	ND	F1	380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Dimethyl phthalate	ND	F1	380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Di-n-butyl phthalate	**200**	**J F1**	380	170	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4,6-Dinitro-2-methylphenol	ND	F1	2000	670	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,4-Dinitrophenol	ND	F1	3800	2400	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,4-Dinitrotoluene	ND	F1	380	230	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,6-Dinitrotoluene	ND	F1	380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Di-n-octyl phthalate	ND	F1	380	230	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Fluoranthene	ND	F1	78	20	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Fluorene	ND	F1	78	15	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Hexachlorobenzene	ND	F1	78	28	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Hexachlorocyclopentadiene	ND	F1	380	40	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Hexachloroethane	ND		380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Indeno[1,2,3-cd]pyrene	ND	F1	78	39	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Isophorone	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2-Methylnaphthalene	ND	F1	78	19	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2-Methylphenol	ND	F1	380	110	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Methylphenol, 3 & 4	ND	F1	380	110	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Naphthalene	ND	F1	78	15	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2-Nitroaniline	ND	F1	2000	180	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Lab Sample ID: 180-160800-8

Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	F1	2000	98	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4-Nitroaniline	ND	F1	2000	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Nitrobenzene	ND	F1	780	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2-Nitrophenol	ND	F1	380	140	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
N-Nitrosodi-n-propylamine	ND	F1	78	26	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
N-Nitrosodiphenylamine	ND	F1	380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,2'-oxybis[1-chloropropane]	ND	F1	78	29	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Phenanthrene	ND	F1	78	21	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Phenol	ND		380	120	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
Pyrene	ND	F1	78	18	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,3,4,6-Tetrachlorophenol	ND	F1	380	160	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,4,5-Trichlorophenol	ND	F1	380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1
2,4,6-Trichlorophenol	ND	F1	380	130	ug/Kg	☼	08/16/23 08:08	08/17/23 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*08/16/23 08:08*	*08/17/23 11:21*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*08/16/23 08:08*	*08/17/23 11:21*	*1*
Nitrobenzene-d5 (Surr)	*86*		*46 - 105*	*08/16/23 08:08*	*08/17/23 11:21*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*08/16/23 08:08*	*08/17/23 11:21*	*1*
Terphenyl-d14 (Surr)	*107*	*S1+*	*39 - 105*	*08/16/23 08:08*	*08/17/23 11:21*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*08/16/23 08:08*	*08/17/23 11:21*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1221	ND		19	6.8	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1232	ND		19	4.7	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1248	ND		19	4.6	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1254	ND		19	5.8	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1260	ND		19	5.5	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1262	ND		19	6.8	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1
PCB-1268	ND		19	2.6	ug/Kg	☼	08/15/23 23:30	08/16/23 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*08/15/23 23:30*	*08/16/23 10:14*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*08/15/23 23:30*	*08/16/23 10:14*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*08/15/23 23:30*	*08/16/23 10:14*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*08/15/23 23:30*	*08/16/23 10:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		69	17	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Antimony	ND	F1	3.5	1.0	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Arsenic	**15**		3.5	2.2	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Barium	**84**		69	12	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Beryllium	**0.67**	**J**	1.4	0.38	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5

Client Sample ID: SSHS-ISMP-NAF-LP-B1

Lab Sample ID: 180-160800-8
Date Collected: 08/14/23 15:00
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 86.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		1.7	0.25	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Calcium	**1000**		350	45	mg/Kg	☼	08/16/23 08:06	08/17/23 22:41	1
Chromium	**16**		1.7	1.6	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Cobalt	**9.9**		3.5	0.49	mg/Kg	☼	08/16/23 08:06	08/17/23 22:41	1
Copper	**35**		8.6	5.2	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Iron	**22000**		6.9	6.7	mg/Kg	☼	08/16/23 08:06	08/17/23 22:41	1
Lead	**14**		3.5	3.0	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Magnesium	**2100**		350	38	mg/Kg	☼	08/16/23 08:06	08/17/23 22:41	1
Manganese	**300**		1.0	0.19	mg/Kg	☼	08/16/23 08:06	08/17/23 22:41	1
Nickel	**24**		2.8	0.35	mg/Kg	☼	08/16/23 08:06	08/17/23 22:41	1
Potassium	**930**	**J**	1700	290	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Selenium	ND		3.5	1.6	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Silver	ND		1.7	0.36	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Sodium	ND		1700	180	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Thallium	ND		6.9	0.98	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Vanadium	**24**		17	2.7	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5
Zinc	**80**		6.9	5.0	mg/Kg	☼	08/16/23 08:06	08/21/23 15:22	5

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.023	mg/Kg	☼	08/15/23 12:45	08/16/23 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.8**		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	**86.2**		0.1	0.1	%			08/15/23 12:14	1

Client Sample ID: SSHS-ISMP-NAF-LP-B2

Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Benzene	ND		5.4	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9

Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Methyl acetate	ND	*+	27	8.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Styrene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Toluene	ND		5.4	1.6	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	08/15/23 14:00	08/16/23 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*08/15/23 14:00*	*08/16/23 19:31*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*08/15/23 14:00*	*08/16/23 19:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*	*S1+*	*73 - 135*	*08/15/23 14:00*	*08/16/23 19:31*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*08/15/23 14:00*	*08/16/23 19:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	22	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Acenaphthylene	**22**	**J**	75	16	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Acetophenone	ND		750	130	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Anthracene	**43**	**J**	75	19	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		750	160	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Benzaldehyde	ND		750	46	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Benzo[a]anthracene	**200**		75	34	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Benzo[a]pyrene	**200**		75	32	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Benzo[b]fluoranthene	**200**		75	18	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Benzo[g,h,i]perylene	**120**		75	16	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Benzo[k]fluoranthene	**110**		75	22	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Caprolactam	ND		1900	240	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Carbazole	ND		75	17	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Chrysene	**200**		75	41	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Dibenzofuran	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Fluoranthene	**330**		75	20	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Fluorene	ND		75	15	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Hexachloroethane	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Indeno[1,2,3-cd]pyrene	**97**		75	37	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Isophorone	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2-Methylphenol	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Naphthalene	ND		75	15	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Nitrobenzene	ND		750	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Phenanthrene	**230**		75	20	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Phenol	ND		370	110	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
Pyrene	**460**		75	18	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	08/16/23 08:08	08/17/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*44 - 105*	*08/16/23 08:08*	*08/17/23 15:00*	*1*
2-Fluorophenol (Surr)	*52*		*48 - 105*	*08/16/23 08:08*	*08/17/23 15:00*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 105*	*08/16/23 08:08*	*08/17/23 15:00*	*1*
Phenol-d5 (Surr)	*55*		*46 - 105*	*08/16/23 08:08*	*08/17/23 15:00*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*08/16/23 08:08*	*08/17/23 15:00*	*1*
2,4,6-Tribromophenol (Surr)	*43*		*34 - 108*	*08/16/23 08:08*	*08/17/23 15:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1221	ND		19	6.7	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1232	ND		19	4.6	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1248	**23**		19	4.5	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1254	**18**	**J**	19	5.7	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1260	ND		19	5.4	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1262	ND		19	6.7	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/15/23 23:30	08/16/23 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*08/15/23 23:30*	*08/16/23 11:11*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*08/15/23 23:30*	*08/16/23 11:11*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/15/23 23:30*	*08/16/23 11:11*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/15/23 23:30*	*08/16/23 11:11*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**		12	3.0	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Antimony	**0.57**	**J**	0.59	0.18	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Arsenic	**9.8**		0.59	0.37	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Barium	**51**		12	2.1	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Beryllium	**0.31**		0.24	0.064	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Cadmium	**0.48**		0.30	0.043	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Client Sample ID: SSHS-ISMP-NAF-LP-B2
Lab Sample ID: 180-160800-9
Date Collected: 08/14/23 15:05
Matrix: Solid
Date Received: 08/15/23 09:24
Percent Solids: 88.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	3200		300	38	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Chromium	8.8		0.30	0.27	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Cobalt	6.3		3.0	0.42	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Copper	26		1.5	0.89	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Iron	18000		5.9	5.8	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Lead	28		0.59	0.52	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Magnesium	2400		300	32	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Manganese	450		0.89	0.16	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Nickel	15		2.4	0.30	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Potassium	380		300	50	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Selenium	0.39	J	0.59	0.27	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Silver	ND		0.30	0.061	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Sodium	ND		300	30	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Thallium	0.55	J	1.2	0.17	mg/Kg	☼	08/16/23 08:06	08/21/23 16:43	1
Vanadium	13		3.0	0.47	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1
Zinc	55		1.2	0.86	mg/Kg	☼	08/16/23 08:06	08/17/23 23:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	08/15/23 12:45	08/16/23 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.9		0.1	0.1	%			08/15/23 12:14	1
Percent Solids (SM22 2540G)	88.1		0.1	0.1	%			08/15/23 12:14	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-443450/7
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			08/15/23 11:38	1
Benzene	ND		5.0	1.4	ug/Kg			08/15/23 11:38	1
Bromoform	ND		5.0	2.5	ug/Kg			08/15/23 11:38	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/15/23 11:38	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			08/15/23 11:38	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/15/23 11:38	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/15/23 11:38	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			08/15/23 11:38	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/15/23 11:38	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/15/23 11:38	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/15/23 11:38	1
Chloroform	ND		5.0	3.4	ug/Kg			08/15/23 11:38	1
Chloromethane	ND		5.0	2.0	ug/Kg			08/15/23 11:38	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			08/15/23 11:38	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/15/23 11:38	1
Cyclohexane	ND		5.0	2.4	ug/Kg			08/15/23 11:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/15/23 11:38	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			08/15/23 11:38	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			08/15/23 11:38	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/15/23 11:38	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			08/15/23 11:38	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/15/23 11:38	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			08/15/23 11:38	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			08/15/23 11:38	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			08/15/23 11:38	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			08/15/23 11:38	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/15/23 11:38	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			08/15/23 11:38	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/15/23 11:38	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			08/15/23 11:38	1
2-Hexanone	ND		25	1.6	ug/Kg			08/15/23 11:38	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			08/15/23 11:38	1
Methyl acetate	ND		25	7.4	ug/Kg			08/15/23 11:38	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			08/15/23 11:38	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/15/23 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			08/15/23 11:38	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			08/15/23 11:38	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			08/15/23 11:38	1
o-Xylene	ND		5.0	2.0	ug/Kg			08/15/23 11:38	1
Styrene	ND		5.0	1.5	ug/Kg			08/15/23 11:38	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			08/15/23 11:38	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			08/15/23 11:38	1
Toluene	ND		5.0	1.4	ug/Kg			08/15/23 11:38	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			08/15/23 11:38	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/15/23 11:38	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/15/23 11:38	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/15/23 11:38	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/15/23 11:38	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-443450/7
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			08/15/23 11:38	1
Trichloroethene	ND		5.0	1.6	ug/Kg			08/15/23 11:38	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/15/23 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			08/15/23 11:38	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/15/23 11:38	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/15/23 11:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*		*08/15/23 11:38*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*		*08/15/23 11:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*73 - 135*		*08/15/23 11:38*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*		*08/15/23 11:38*	*1*

Lab Sample ID: LCS 180-443450/3
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	47.6		ug/Kg		119	23 - 170
Benzene	40.0	40.0		ug/Kg		100	77 - 120
Bromoform	40.0	32.2		ug/Kg		80	37 - 147
Bromomethane	40.0	26.4		ug/Kg		66	47 - 149
2-Butanone (MEK)	40.0	39.1		ug/Kg		98	39 - 157
Carbon disulfide	40.0	32.7		ug/Kg		82	40 - 156
Carbon tetrachloride	40.0	37.8		ug/Kg		94	73 - 130
Chlorobenzene	40.0	37.8		ug/Kg		94	79 - 122
Chlorobromomethane	40.0	34.9		ug/Kg		87	64 - 128
Chlorodibromomethane	40.0	34.8		ug/Kg		87	60 - 134
Chloroethane	40.0	21.9		ug/Kg		55	37 - 159
Chloroform	40.0	41.2		ug/Kg		103	73 - 126
Chloromethane	40.0	26.7		ug/Kg		67	46 - 151
cis-1,2-Dichloroethene	40.0	38.7		ug/Kg		97	77 - 118
cis-1,3-Dichloropropene	40.0	37.9		ug/Kg		95	73 - 127
Cyclohexane	40.0	35.9		ug/Kg		90	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	33.8		ug/Kg		85	30 - 163
1,2-Dibromoethane	40.0	35.6		ug/Kg		89	59 - 137
1,2-Dichlorobenzene	40.0	38.2		ug/Kg		95	76 - 120
1,3-Dichlorobenzene	40.0	39.4		ug/Kg		99	77 - 121
1,4-Dichlorobenzene	40.0	39.0		ug/Kg		98	79 - 120
Dichlorobromomethane	40.0	39.5		ug/Kg		99	75 - 123
Dichlorodifluoromethane	40.0	13.4		ug/Kg		34	26 - 149
1,1-Dichloroethane	40.0	38.9		ug/Kg		97	73 - 124
1,2-Dichloroethane	40.0	38.0		ug/Kg		95	64 - 140
1,1-Dichloroethene	40.0	35.5		ug/Kg		89	55 - 136
1,2-Dichloroethene, Total	80.0	76.6		ug/Kg		96	77 - 119
1,2-Dichloropropane	40.0	39.0		ug/Kg		98	77 - 119
1,4-Dioxane	800	737	J	ug/Kg		92	18 - 166
Ethylbenzene	40.0	39.5		ug/Kg		99	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-443450/3
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	34.0		ug/Kg		85	42 - 152
Isopropylbenzene	40.0	40.0		ug/Kg		100	70 - 125
Methyl acetate	80.0	95.5		ug/Kg		119	20 - 170
Methylcyclohexane	40.0	37.2		ug/Kg		93	70 - 125
Methylene Chloride	40.0	44.6		ug/Kg		112	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	31.3		ug/Kg		78	51 - 147
Methyl tert-butyl ether	40.0	34.9		ug/Kg		87	58 - 132
m-Xylene & p-Xylene	40.0	39.1		ug/Kg		98	77 - 120
o-Xylene	40.0	38.7		ug/Kg		97	78 - 118
Styrene	40.0	38.5		ug/Kg		96	80 - 120
1,1,2,2-Tetrachloroethane	40.0	36.2		ug/Kg		90	36 - 170
Tetrachloroethene	40.0	36.8		ug/Kg		92	71 - 121
Toluene	40.0	40.3		ug/Kg		101	76 - 120
trans-1,2-Dichloroethene	40.0	37.9		ug/Kg		95	75 - 122
trans-1,3-Dichloropropene	40.0	37.4		ug/Kg		94	68 - 133
1,2,3-Trichlorobenzene	40.0	38.1		ug/Kg		95	29 - 166
1,2,4-Trichlorobenzene	40.0	37.5		ug/Kg		94	22 - 170
1,1,1-Trichloroethane	40.0	39.4		ug/Kg		99	72 - 134
1,1,2-Trichloroethane	40.0	37.3		ug/Kg		93	66 - 128
Trichloroethene	40.0	36.0		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	38.2		ug/Kg		95	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.6		ug/Kg		86	59 - 135
Vinyl chloride	40.0	28.7		ug/Kg		72	64 - 134
Xylenes, Total	80.0	77.8		ug/Kg		97	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*83*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: LCSD 180-443450/4
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	40.7		ug/Kg		102	23 - 170	16	35
Benzene	40.0	36.8		ug/Kg		92	77 - 120	8	20
Bromoform	40.0	29.2		ug/Kg		73	37 - 147	10	23
Bromomethane	40.0	22.8		ug/Kg		57	47 - 149	15	25
2-Butanone (MEK)	40.0	35.6		ug/Kg		89	39 - 157	9	33
Carbon disulfide	40.0	29.6		ug/Kg		74	40 - 156	10	25
Carbon tetrachloride	40.0	34.6		ug/Kg		87	73 - 130	9	21
Chlorobenzene	40.0	34.3		ug/Kg		86	79 - 122	10	20
Chlorobromomethane	40.0	32.2		ug/Kg		81	64 - 128	8	20
Chlorodibromomethane	40.0	32.1		ug/Kg		80	60 - 134	8	40
Chloroethane	40.0	17.5		ug/Kg		44	37 - 159	22	25
Chloroform	40.0	37.6		ug/Kg		94	73 - 126	9	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-443450/4
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	23.1		ug/Kg		58	46 - 151	14	33
cis-1,2-Dichloroethene			40.0	35.6		ug/Kg		89	77 - 118	8	20
cis-1,3-Dichloropropene			40.0	35.2		ug/Kg		88	73 - 127	8	20
Cyclohexane			40.0	32.3		ug/Kg		81	63 - 143	11	25
1,2-Dibromo-3-Chloropropane			40.0	30.7		ug/Kg		77	30 - 163	10	34
1,2-Dibromoethane			40.0	33.6		ug/Kg		84	59 - 137	6	20
1,2-Dichlorobenzene			40.0	35.1		ug/Kg		88	76 - 120	8	20
1,3-Dichlorobenzene			40.0	35.8		ug/Kg		90	77 - 121	10	20
1,4-Dichlorobenzene			40.0	35.2		ug/Kg		88	79 - 120	10	20
Dichlorobromomethane			40.0	35.6		ug/Kg		89	75 - 123	10	20
Dichlorodifluoromethane			40.0	11.6		ug/Kg		29	26 - 149	15	24
1,1-Dichloroethane			40.0	35.9		ug/Kg		90	73 - 124	8	20
1,2-Dichloroethane			40.0	33.8		ug/Kg		85	64 - 140	12	20
1,1-Dichloroethene			40.0	32.3		ug/Kg		81	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	70.3		ug/Kg		88	77 - 119	9	20
1,2-Dichloropropane			40.0	35.2		ug/Kg		88	77 - 119	10	20
1,4-Dioxane			800	701	J	ug/Kg		88	18 - 166	5	40
Ethylbenzene			40.0	35.7		ug/Kg		89	79 - 119	10	20
2-Hexanone			40.0	30.0		ug/Kg		75	42 - 152	13	30
Isopropylbenzene			40.0	36.6		ug/Kg		92	70 - 125	9	21
Methyl acetate			80.0	91.9		ug/Kg		115	20 - 170	4	33
Methylcyclohexane			40.0	33.4		ug/Kg		84	70 - 125	11	22
Methylene Chloride			40.0	41.2		ug/Kg		103	67 - 131	8	32
4-Methyl-2-pentanone (MIBK)			40.0	30.0		ug/Kg		75	51 - 147	4	27
Methyl tert-butyl ether			40.0	32.1		ug/Kg		80	58 - 132	9	24
m-Xylene & p-Xylene			40.0	35.5		ug/Kg		89	77 - 120	10	20
o-Xylene			40.0	35.8		ug/Kg		89	78 - 118	8	20
Styrene			40.0	35.4		ug/Kg		89	80 - 120	8	20
1,1,2,2-Tetrachloroethane			40.0	33.9		ug/Kg		85	36 - 170	6	23
Tetrachloroethene			40.0	33.6		ug/Kg		84	71 - 121	9	21
Toluene			40.0	36.7		ug/Kg		92	76 - 120	9	20
trans-1,2-Dichloroethene			40.0	34.7		ug/Kg		87	75 - 122	9	20
trans-1,3-Dichloropropene			40.0	35.1		ug/Kg		88	68 - 133	6	20
1,2,3-Trichlorobenzene			40.0	35.0		ug/Kg		87	29 - 166	8	40
1,2,4-Trichlorobenzene			40.0	34.3		ug/Kg		86	22 - 170	9	29
1,1,1-Trichloroethane			40.0	35.7		ug/Kg		89	72 - 134	10	20
1,1,2-Trichloroethane			40.0	33.1		ug/Kg		83	66 - 128	12	21
Trichloroethene			40.0	32.7		ug/Kg		82	69 - 118	10	20
Trichlorofluoromethane			40.0	32.0		ug/Kg		80	32 - 149	18	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	30.5		ug/Kg		76	59 - 135	13	28
Vinyl chloride			40.0	24.9	*-	ug/Kg		62	64 - 134	14	23
Xylenes, Total			80.0	71.3		ug/Kg		89	78 - 118	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*79*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-443450/4
Matrix: Solid
Analysis Batch: 443450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	102		67 - 134

Lab Sample ID: MB 180-443633/11
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			08/16/23 14:11	1
Benzene	ND		5.0	1.4	ug/Kg			08/16/23 14:11	1
Bromoform	ND		5.0	2.5	ug/Kg			08/16/23 14:11	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/16/23 14:11	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			08/16/23 14:11	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/16/23 14:11	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/16/23 14:11	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			08/16/23 14:11	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/16/23 14:11	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/16/23 14:11	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/16/23 14:11	1
Chloroform	ND		5.0	3.4	ug/Kg			08/16/23 14:11	1
Chloromethane	ND		5.0	2.0	ug/Kg			08/16/23 14:11	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			08/16/23 14:11	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/16/23 14:11	1
Cyclohexane	ND		5.0	2.4	ug/Kg			08/16/23 14:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/16/23 14:11	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			08/16/23 14:11	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			08/16/23 14:11	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/16/23 14:11	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			08/16/23 14:11	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/16/23 14:11	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			08/16/23 14:11	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			08/16/23 14:11	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			08/16/23 14:11	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			08/16/23 14:11	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/16/23 14:11	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			08/16/23 14:11	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/16/23 14:11	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			08/16/23 14:11	1
2-Hexanone	ND		25	1.6	ug/Kg			08/16/23 14:11	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			08/16/23 14:11	1
Methyl acetate	ND		25	7.4	ug/Kg			08/16/23 14:11	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			08/16/23 14:11	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/16/23 14:11	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			08/16/23 14:11	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			08/16/23 14:11	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			08/16/23 14:11	1
o-Xylene	ND		5.0	2.0	ug/Kg			08/16/23 14:11	1
Styrene	ND		5.0	1.5	ug/Kg			08/16/23 14:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			08/16/23 14:11	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-443633/11
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			08/16/23 14:11	1
Toluene	ND		5.0	1.4	ug/Kg			08/16/23 14:11	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			08/16/23 14:11	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/16/23 14:11	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/16/23 14:11	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/16/23 14:11	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/16/23 14:11	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			08/16/23 14:11	1
Trichloroethene	ND		5.0	1.6	ug/Kg			08/16/23 14:11	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/16/23 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			08/16/23 14:11	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/16/23 14:11	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/16/23 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*		*08/16/23 14:11*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*		*08/16/23 14:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*		*08/16/23 14:11*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*		*08/16/23 14:11*	*1*

Lab Sample ID: LCS 180-443633/8
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	80.0	73.4		ug/Kg		92	23 - 170
Benzene	40.0	44.6		ug/Kg		112	77 - 120
Bromoform	40.0	43.3		ug/Kg		108	37 - 147
Bromomethane	40.0	32.3		ug/Kg		81	47 - 149
2-Butanone (MEK)	80.0	63.2		ug/Kg		79	39 - 157
Carbon disulfide	40.0	34.9		ug/Kg		87	40 - 156
Carbon tetrachloride	40.0	40.6		ug/Kg		102	73 - 130
Chlorobenzene	40.0	41.2		ug/Kg		103	79 - 122
Chlorobromomethane	40.0	44.1		ug/Kg		110	64 - 128
Chlorodibromomethane	40.0	42.1		ug/Kg		105	60 - 134
Chloroethane	40.0	35.6		ug/Kg		89	37 - 159
Chloroform	40.0	43.6		ug/Kg		109	73 - 126
Chloromethane	40.0	29.9		ug/Kg		75	46 - 151
cis-1,2-Dichloroethene	40.0	40.5		ug/Kg		101	77 - 118
cis-1,3-Dichloropropene	40.0	40.4		ug/Kg		101	73 - 127
Cyclohexane	40.0	33.4		ug/Kg		84	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	41.8		ug/Kg		104	30 - 163
1,2-Dibromoethane	40.0	50.1		ug/Kg		125	59 - 137
1,2-Dichlorobenzene	40.0	41.2		ug/Kg		103	76 - 120
1,3-Dichlorobenzene	40.0	38.6		ug/Kg		96	77 - 121
1,4-Dichlorobenzene	40.0	39.9		ug/Kg		100	79 - 120
Dichlorobromomethane	40.0	46.1		ug/Kg		115	75 - 123
Dichlorodifluoromethane	40.0	14.4		ug/Kg		36	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-443633/8
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	42.0		ug/Kg		105	73 - 124
1,2-Dichloroethane	40.0	47.9		ug/Kg		120	64 - 140
1,1-Dichloroethene	40.0	36.0		ug/Kg		90	55 - 136
1,2-Dichloroethene, Total	80.0	81.9		ug/Kg		102	77 - 119
1,2-Dichloropropane	40.0	43.4		ug/Kg		109	77 - 119
1,4-Dioxane	800	1260		ug/Kg		158	18 - 166
Ethylbenzene	40.0	37.8		ug/Kg		95	79 - 119
2-Hexanone	80.0	41.0		ug/Kg		51	42 - 152
Isopropylbenzene	40.0	39.5		ug/Kg		99	70 - 125
Methyl acetate	80.0	147	*+	ug/Kg		183	20 - 170
Methylcyclohexane	40.0	33.7		ug/Kg		84	70 - 125
Methylene Chloride	40.0	49.2		ug/Kg		123	67 - 131
4-Methyl-2-pentanone (MIBK)	80.0	41.7		ug/Kg		52	51 - 147
Methyl tert-butyl ether	40.0	43.5		ug/Kg		109	58 - 132
m-Xylene & p-Xylene	40.0	38.8		ug/Kg		97	77 - 120
o-Xylene	40.0	38.1		ug/Kg		95	78 - 118
Styrene	40.0	39.6		ug/Kg		99	80 - 120
1,1,2,2-Tetrachloroethane	40.0	52.5		ug/Kg		131	36 - 170
Tetrachloroethene	40.0	40.7		ug/Kg		102	71 - 121
Toluene	40.0	43.8		ug/Kg		109	76 - 120
trans-1,2-Dichloroethene	40.0	41.4		ug/Kg		104	75 - 122
trans-1,3-Dichloropropene	40.0	42.7		ug/Kg		107	68 - 133
1,2,3-Trichlorobenzene	40.0	32.6		ug/Kg		82	29 - 166
1,2,4-Trichlorobenzene	40.0	28.9		ug/Kg		72	22 - 170
1,1,1-Trichloroethane	40.0	40.9		ug/Kg		102	72 - 134
1,1,2-Trichloroethane	40.0	49.4		ug/Kg		123	66 - 128
Trichloroethene	40.0	38.0		ug/Kg		95	69 - 118
Trichlorofluoromethane	40.0	47.3		ug/Kg		118	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	40.2		ug/Kg		101	59 - 135
Vinyl chloride	40.0	34.0		ug/Kg		85	64 - 134
Xylenes, Total	80.0	76.9		ug/Kg		96	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*84*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		92.3	40.3		ug/Kg	☼	44	23 - 170
Benzene	ND		46.1	53.6		ug/Kg	☼	116	77 - 120
Bromoform	ND		46.1	45.9		ug/Kg	☼	100	37 - 147
Bromomethane	ND		46.1	45.9		ug/Kg	☼	99	47 - 149
2-Butanone (MEK)	ND	F1	92.3	34.8	F1	ug/Kg	☼	38	39 - 157

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	ND		46.1	54.4		ug/Kg	☼	118	40 - 156
Carbon tetrachloride	ND		46.1	50.6		ug/Kg	☼	110	73 - 130
Chlorobenzene	ND		46.1	47.1		ug/Kg	☼	102	79 - 122
Chlorobromomethane	ND		46.1	49.5		ug/Kg	☼	107	64 - 128
Chlorodibromomethane	ND		46.1	47.0		ug/Kg	☼	102	60 - 134
Chloroethane	ND		46.1	51.1		ug/Kg	☼	111	37 - 159
Chloroform	ND		46.1	54.1		ug/Kg	☼	117	73 - 126
Chloromethane	ND		46.1	64.0		ug/Kg	☼	139	46 - 151
cis-1,2-Dichloroethene	ND		46.1	45.9		ug/Kg	☼	99	77 - 118
cis-1,3-Dichloropropene	ND		46.1	43.1		ug/Kg	☼	93	73 - 127
Cyclohexane	ND		46.1	40.6		ug/Kg	☼	88	63 - 143
1,2-Dibromo-3-Chloropropane	ND		46.1	37.2		ug/Kg	☼	81	30 - 163
1,2-Dibromoethane	ND		46.1	47.2		ug/Kg	☼	102	59 - 137
1,2-Dichlorobenzene	ND		46.1	44.6		ug/Kg	☼	97	76 - 120
1,3-Dichlorobenzene	ND		46.1	44.4		ug/Kg	☼	96	77 - 121
1,4-Dichlorobenzene	ND		46.1	45.2		ug/Kg	☼	98	79 - 120
Dichlorobromomethane	ND		46.1	51.4		ug/Kg	☼	111	75 - 123
Dichlorodifluoromethane	ND	F1	46.1	70.1	F1	ug/Kg	☼	152	26 - 149
1,1-Dichloroethane	ND		46.1	51.7		ug/Kg	☼	112	73 - 124
1,2-Dichloroethane	ND		46.1	52.9		ug/Kg	☼	115	64 - 140
1,1-Dichloroethene	ND		46.1	48.1		ug/Kg	☼	104	55 - 136
1,2-Dichloroethene, Total	ND		92.3	95.6		ug/Kg	☼	104	77 - 119
1,2-Dichloropropane	ND		46.1	50.0		ug/Kg	☼	108	77 - 119
1,4-Dioxane	ND		923	922	J	ug/Kg	☼	100	18 - 166
Ethylbenzene	ND		46.1	46.2		ug/Kg	☼	100	79 - 119
2-Hexanone	ND	F1	92.3	32.2	F1	ug/Kg	☼	35	42 - 152
Isopropylbenzene	ND		46.1	44.3		ug/Kg	☼	96	70 - 125
Methyl acetate	ND	*+	92.3	136		ug/Kg	☼	148	20 - 170
Methylcyclohexane	ND		46.1	40.2		ug/Kg	☼	87	70 - 125
Methylene Chloride	ND		46.1	58.6		ug/Kg	☼	127	67 - 131
4-Methyl-2-pentanone (MIBK)	ND	F1	92.3	38.7	F1	ug/Kg	☼	42	51 - 147
Methyl tert-butyl ether	ND		46.1	42.1		ug/Kg	☼	91	58 - 132
m-Xylene & p-Xylene	ND		46.1	45.2		ug/Kg	☼	98	77 - 120
o-Xylene	ND		46.1	42.5		ug/Kg	☼	92	78 - 118
Styrene	ND		46.1	44.5		ug/Kg	☼	97	80 - 120
1,1,2,2-Tetrachloroethane	ND		46.1	54.0		ug/Kg	☼	117	36 - 170
Tetrachloroethene	ND		46.1	51.8		ug/Kg	☼	112	71 - 121
Toluene	ND		46.1	53.4		ug/Kg	☼	116	76 - 120
trans-1,2-Dichloroethene	ND		46.1	49.7		ug/Kg	☼	108	75 - 122
trans-1,3-Dichloropropene	ND		46.1	46.1		ug/Kg	☼	100	68 - 133
1,2,3-Trichlorobenzene	ND		46.1	29.7		ug/Kg	☼	64	29 - 166
1,2,4-Trichlorobenzene	ND		46.1	27.7		ug/Kg	☼	60	22 - 170
1,1,1-Trichloroethane	ND		46.1	48.5		ug/Kg	☼	105	72 - 134
1,1,2-Trichloroethane	ND		46.1	53.1		ug/Kg	☼	115	66 - 128
Trichloroethene	ND		46.1	44.2		ug/Kg	☼	96	69 - 118
Trichlorofluoromethane	ND		46.1	56.5		ug/Kg	☼	123	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46.1	53.2		ug/Kg	☼	115	59 - 135
Vinyl chloride	ND		46.1	59.3		ug/Kg	☼	129	64 - 134

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-160800-8 MS
Client Sample ID: SSHS-ISMP-NAF-LP-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 443633
Prep Batch: 443700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	ND		92.3	87.7		ug/Kg	☼	95	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*
Toluene-d8 (Surr)	*110*		*67 - 134*

Lab Sample ID: 180-160800-8 MSD
Client Sample ID: SSHS-ISMP-NAF-LP-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 443633
Prep Batch: 443700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		90.8	34.1		ug/Kg	☼	38	23 - 170	17	35
Benzene	ND		45.4	49.4		ug/Kg	☼	109	77 - 120	8	20
Bromoform	ND		45.4	39.6		ug/Kg	☼	87	37 - 147	15	23
Bromomethane	ND		45.4	42.1		ug/Kg	☼	93	47 - 149	9	25
2-Butanone (MEK)	ND	F1	90.8	33.3	F1	ug/Kg	☼	37	39 - 157	4	33
Carbon disulfide	ND		45.4	49.1		ug/Kg	☼	108	40 - 156	10	25
Carbon tetrachloride	ND		45.4	46.9		ug/Kg	☼	103	73 - 130	8	21
Chlorobenzene	ND		45.4	43.0		ug/Kg	☼	95	79 - 122	9	20
Chlorobromomethane	ND		45.4	42.7		ug/Kg	☼	94	64 - 128	15	20
Chlorodibromomethane	ND		45.4	42.9		ug/Kg	☼	94	60 - 134	9	40
Chloroethane	ND		45.4	45.7		ug/Kg	☼	101	37 - 159	11	25
Chloroform	ND		45.4	48.1		ug/Kg	☼	106	73 - 126	12	20
Chloromethane	ND		45.4	59.0		ug/Kg	☼	130	46 - 151	8	33
cis-1,2-Dichloroethene	ND		45.4	43.8		ug/Kg	☼	97	77 - 118	5	20
cis-1,3-Dichloropropene	ND		45.4	41.9		ug/Kg	☼	92	73 - 127	3	20
Cyclohexane	ND		45.4	37.8		ug/Kg	☼	83	63 - 143	7	25
1,2-Dibromo-3-Chloropropane	ND		45.4	35.0		ug/Kg	☼	77	30 - 163	6	34
1,2-Dibromoethane	ND		45.4	44.7		ug/Kg	☼	99	59 - 137	5	20
1,2-Dichlorobenzene	ND		45.4	41.0		ug/Kg	☼	90	76 - 120	8	20
1,3-Dichlorobenzene	ND		45.4	42.3		ug/Kg	☼	93	77 - 121	5	20
1,4-Dichlorobenzene	ND		45.4	42.3		ug/Kg	☼	93	79 - 120	7	20
Dichlorobromomethane	ND		45.4	46.8		ug/Kg	☼	103	75 - 123	9	20
Dichlorodifluoromethane	ND	F1	45.4	62.6		ug/Kg	☼	138	26 - 149	11	24
1,1-Dichloroethane	ND		45.4	47.7		ug/Kg	☼	105	73 - 124	8	20
1,2-Dichloroethane	ND		45.4	47.8		ug/Kg	☼	105	64 - 140	10	20
1,1-Dichloroethene	ND		45.4	42.5		ug/Kg	☼	94	55 - 136	12	21
1,2-Dichloroethene, Total	ND		90.8	88.8		ug/Kg	☼	98	77 - 119	7	20
1,2-Dichloropropane	ND		45.4	47.3		ug/Kg	☼	104	77 - 119	5	20
1,4-Dioxane	ND		908	1000	J	ug/Kg	☼	110	18 - 166	8	40
Ethylbenzene	ND		45.4	39.2		ug/Kg	☼	86	79 - 119	17	20
2-Hexanone	ND	F1	90.8	27.4	J F1	ug/Kg	☼	30	42 - 152	16	30
Isopropylbenzene	ND		45.4	39.5		ug/Kg	☼	87	70 - 125	11	21
Methyl acetate	ND	*+	90.8	126		ug/Kg	☼	139	20 - 170	8	33
Methylcyclohexane	ND		45.4	37.4		ug/Kg	☼	82	70 - 125	7	22
Methylene Chloride	ND		45.4	52.6		ug/Kg	☼	116	67 - 131	11	32

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-160800-8 MSD
Matrix: Solid
Analysis Batch: 443633

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND	F1	90.8	33.5	F1	ug/Kg	☼	37	51 - 147	14	27
Methyl tert-butyl ether	ND		45.4	38.8		ug/Kg	☼	85	58 - 132	8	24
m-Xylene & p-Xylene	ND		45.4	40.9		ug/Kg	☼	90	77 - 120	10	20
o-Xylene	ND		45.4	38.7		ug/Kg	☼	85	78 - 118	9	20
Styrene	ND		45.4	40.3		ug/Kg	☼	89	80 - 120	10	20
1,1,2,2-Tetrachloroethane	ND		45.4	45.8		ug/Kg	☼	101	36 - 170	16	23
Tetrachloroethene	ND		45.4	45.7		ug/Kg	☼	101	71 - 121	12	21
Toluene	ND		45.4	48.5		ug/Kg	☼	107	76 - 120	10	20
trans-1,2-Dichloroethene	ND		45.4	45.0		ug/Kg	☼	99	75 - 122	10	20
trans-1,3-Dichloropropene	ND		45.4	41.1		ug/Kg	☼	90	68 - 133	12	20
1,2,3-Trichlorobenzene	ND		45.4	29.3		ug/Kg	☼	65	29 - 166	1	40
1,2,4-Trichlorobenzene	ND		45.4	27.6		ug/Kg	☼	61	22 - 170	0	29
1,1,1-Trichloroethane	ND		45.4	47.0		ug/Kg	☼	103	72 - 134	3	20
1,1,2-Trichloroethane	ND		45.4	49.5		ug/Kg	☼	109	66 - 128	7	21
Trichloroethene	ND		45.4	41.8		ug/Kg	☼	92	69 - 118	6	20
Trichlorofluoromethane	ND		45.4	50.0		ug/Kg	☼	110	32 - 149	12	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45.4	49.3		ug/Kg	☼	109	59 - 135	8	28
Vinyl chloride	ND		45.4	53.8		ug/Kg	☼	119	64 - 134	10	23
Xylenes, Total	ND		90.8	79.6		ug/Kg	☼	88	78 - 118	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*114*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-443613/1-A
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Acenaphthylene	ND		67	15	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Acetophenone	ND		670	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Anthracene	ND		67	17	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Atrazine	ND		670	150	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Benzaldehyde	ND		670	41	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Benzo[a]anthracene	ND		67	30	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Benzo[a]pyrene	ND		67	29	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
1,1'-Biphenyl	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		08/16/23 08:08	08/17/23 07:24	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-443613/1-A
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Caprolactam	ND		1700	220	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Carbazole	ND		67	16	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
4-Chloroaniline	ND		330	88	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2-Chloronaphthalene	ND		67	15	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2-Chlorophenol	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Chrysene	ND		67	37	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Dibenzofuran	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Diethyl phthalate	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Dimethyl phthalate	ND		330	130	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
1,4-Dioxane	ND		670	100	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Fluoranthene	ND		67	18	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Fluorene	ND		67	13	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Hexachlorobenzene	ND		67	24	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Hexachlorobutadiene	ND		67	20	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Hexachloroethane	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Isophorone	ND		330	130	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2-Methylnaphthalene	ND		67	16	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2-Methylphenol	ND		330	96	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Naphthalene	ND		67	13	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
3-Nitroaniline	ND		1700	85	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
4-Nitroaniline	ND		1700	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Nitrobenzene	ND		670	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2-Nitrophenol	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
4-Nitrophenol	ND		1700	230	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Pentachlorophenol	ND		1700	540	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Phenanthrene	ND		67	18	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Phenol	ND		330	100	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
Pyrene	ND		67	16	ug/Kg		08/16/23 08:08	08/17/23 07:24	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-443613/1-A
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		08/16/23 08:08	08/17/23 07:24	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		08/16/23 08:08	08/17/23 07:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*08/16/23 08:08*	*08/17/23 07:24*	*1*
2-Fluorophenol (Surr)	*89*		*48 - 105*	*08/16/23 08:08*	*08/17/23 07:24*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*08/16/23 08:08*	*08/17/23 07:24*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*08/16/23 08:08*	*08/17/23 07:24*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 105*	*08/16/23 08:08*	*08/17/23 07:24*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*08/16/23 08:08*	*08/17/23 07:24*	*1*

Lab Sample ID: LCS 180-443613/2-A
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4760		ug/Kg		71	50 - 100
Acenaphthylene	6670	5380		ug/Kg		81	52 - 100
Acetophenone	6670	4930		ug/Kg		74	48 - 100
Anthracene	6670	4860		ug/Kg		73	53 - 100
Atrazine	6670	4120		ug/Kg		62	49 - 103
Benzaldehyde	6670	5720		ug/Kg		86	23 - 105
Benzo[a]anthracene	6670	4970		ug/Kg		75	51 - 100
Benzo[a]pyrene	6670	5250		ug/Kg		79	51 - 100
Benzo[b]fluoranthene	6670	4790		ug/Kg		72	48 - 100
Benzo[g,h,i]perylene	6670	4410		ug/Kg		66	48 - 105
Benzo[k]fluoranthene	6670	4930		ug/Kg		74	19 - 100
1,1'-Biphenyl	6670	4900		ug/Kg		73	50 - 100
Bis(2-chloroethoxy)methane	6670	4500		ug/Kg		67	49 - 100
Bis(2-chloroethyl)ether	6670	4590		ug/Kg		69	48 - 100
Bis(2-ethylhexyl) phthalate	6670	6020		ug/Kg		90	53 - 107
4-Bromophenyl phenyl ether	6670	4850		ug/Kg		73	52 - 101
Butyl benzyl phthalate	6670	6070		ug/Kg		91	52 - 107
Caprolactam	6670	4740		ug/Kg		71	48 - 111
Carbazole	6670	4660		ug/Kg		70	53 - 100
4-Chloroaniline	6670	4490		ug/Kg		67	47 - 100
4-Chloro-3-methylphenol	6670	4760		ug/Kg		71	49 - 106
2-Chloronaphthalene	6670	4910		ug/Kg		74	51 - 100
2-Chlorophenol	6670	5170		ug/Kg		78	51 - 100
4-Chlorophenyl phenyl ether	6670	4620		ug/Kg		69	52 - 100
Chrysene	6670	4810		ug/Kg		72	50 - 100
Dibenz(a,h)anthracene	6670	4660		ug/Kg		70	50 - 107
Dibenzofuran	6670	4580		ug/Kg		69	52 - 100
3,3'-Dichlorobenzidine	6670	4950		ug/Kg		74	43 - 100
2,4-Dichlorophenol	6670	4790		ug/Kg		72	53 - 101
Diethyl phthalate	6670	4530		ug/Kg		68	48 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-443613/2-A
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443613

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	6670	4250		ug/Kg		64	51 - 101
Dimethyl phthalate	6670	4400		ug/Kg		66	53 - 100
Di-n-butyl phthalate	6670	5120		ug/Kg		77	57 - 102
4,6-Dinitro-2-methylphenol	13300	10200		ug/Kg		76	51 - 100
2,4-Dinitrophenol	13300	9300		ug/Kg		70	33 - 101
2,4-Dinitrotoluene	6670	4680		ug/Kg		70	54 - 104
2,6-Dinitrotoluene	6670	4880		ug/Kg		73	51 - 106
Di-n-octyl phthalate	6670	6290		ug/Kg		94	41 - 106
1,4-Dioxane	6670	4470		ug/Kg		67	25 - 125
Fluoranthene	6670	4250		ug/Kg		64	55 - 100
Fluorene	6670	4640		ug/Kg		70	52 - 100
Hexachlorobenzene	6670	4540		ug/Kg		68	49 - 100
Hexachlorobutadiene	6670	4980		ug/Kg		75	38 - 107
Hexachlorocyclopentadiene	6670	3750		ug/Kg		56	33 - 117
Hexachloroethane	6670	5210		ug/Kg		78	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4740		ug/Kg		71	51 - 103
Isophorone	6670	5050		ug/Kg		76	48 - 105
2-Methylnaphthalene	6670	4840		ug/Kg		73	53 - 100
2-Methylphenol	6670	5000		ug/Kg		75	50 - 101
Methylphenol, 3 & 4	6670	4930		ug/Kg		74	50 - 103
Naphthalene	6670	5040		ug/Kg		76	51 - 100
2-Nitroaniline	6670	5440		ug/Kg		82	42 - 123
3-Nitroaniline	6670	4780		ug/Kg		72	50 - 103
4-Nitroaniline	6670	4620		ug/Kg		69	52 - 103
Nitrobenzene	6670	5250		ug/Kg		79	44 - 108
2-Nitrophenol	6670	5230		ug/Kg		78	55 - 107
4-Nitrophenol	13300	8890		ug/Kg		67	30 - 134
N-Nitrosodi-n-propylamine	6670	5230		ug/Kg		78	45 - 107
N-Nitrosodiphenylamine	6670	5040		ug/Kg		76	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5530		ug/Kg		83	30 - 113
Pentachlorophenol	13300	9520		ug/Kg		71	42 - 110
Phenanthrene	6670	4740		ug/Kg		71	53 - 100
Phenol	6670	4780		ug/Kg		72	49 - 100
Pyrene	6670	5600		ug/Kg		84	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5050		ug/Kg		76	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4430		ug/Kg		66	47 - 104
2,4,5-Trichlorophenol	6670	4950		ug/Kg		74	50 - 104
2,4,6-Trichlorophenol	6670	5150		ug/Kg		77	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*44 - 105*
2-Fluorophenol (Surr)	*76*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*73*		*46 - 105*
Terphenyl-d14 (Surr)	*75*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND	F1	7630	8070	F1	ug/Kg	☼	106	50 - 100
Acenaphthylene	ND	F1	7630	8900	F1	ug/Kg	☼	117	52 - 100
Acetophenone	ND		7630	7050		ug/Kg	☼	92	48 - 100
Anthracene	ND	F1	7630	8330	F1	ug/Kg	☼	109	53 - 100
Atrazine	ND	F1	7630	322	J F1	ug/Kg	☼	4	49 - 103
Benzaldehyde	ND	F1	7630	254	J F1	ug/Kg	☼	3	23 - 105
Benzo[a]anthracene	ND	F1	7630	8650	F1	ug/Kg	☼	113	51 - 100
Benzo[a]pyrene	ND	F1	7630	9300	F1	ug/Kg	☼	122	51 - 100
Benzo[b]fluoranthene	ND	F1	7630	8870	F1	ug/Kg	☼	116	48 - 100
Benzo[g,h,i]perylene	ND		7630	7590		ug/Kg	☼	99	48 - 105
Benzo[k]fluoranthene	ND	F1	7630	8810	F1	ug/Kg	☼	115	19 - 100
1,1'-Biphenyl	ND	F1	7630	8060	F1	ug/Kg	☼	106	50 - 100
Bis(2-chloroethoxy)methane	ND		7630	7640		ug/Kg	☼	100	49 - 100
Bis(2-chloroethyl)ether	ND		7630	7200		ug/Kg	☼	94	48 - 100
Bis(2-ethylhexyl) phthalate	ND	F1	7630	11700	F1	ug/Kg	☼	153	53 - 107
4-Bromophenyl phenyl ether	ND	F1	7630	8200	F1	ug/Kg	☼	107	52 - 101
Butyl benzyl phthalate	ND	F1	7630	11500	F1	ug/Kg	☼	151	52 - 107
Caprolactam	ND	F1	7630	8930	F1	ug/Kg	☼	117	48 - 111
Carbazole	ND	F1	7630	8430	F1	ug/Kg	☼	110	53 - 100
4-Chloroaniline	ND		7630	5350		ug/Kg	☼	70	47 - 100
4-Chloro-3-methylphenol	ND	F1	7630	8650	F1	ug/Kg	☼	113	49 - 106
2-Chloronaphthalene	ND	F1	7630	7820	F1	ug/Kg	☼	102	51 - 100
2-Chlorophenol	ND	F1	7630	7970	F1	ug/Kg	☼	104	51 - 100
4-Chlorophenyl phenyl ether	ND	F1	7630	8360	F1	ug/Kg	☼	110	52 - 100
Chrysene	ND	F1	7630	8610	F1	ug/Kg	☼	113	50 - 100
Dibenz(a,h)anthracene	ND		7630	7930		ug/Kg	☼	104	50 - 107
Dibenzofuran	ND	F1	7630	7980	F1	ug/Kg	☼	104	52 - 100
3,3'-Dichlorobenzidine	ND	F1	7630	7960	F1	ug/Kg	☼	104	43 - 100
2,4-Dichlorophenol	ND	F1	7630	7890	F1	ug/Kg	☼	103	53 - 101
Diethyl phthalate	ND	F1	7630	8580	F1	ug/Kg	☼	112	48 - 104
2,4-Dimethylphenol	ND		7630	7230		ug/Kg	☼	95	51 - 101
Dimethyl phthalate	ND	F1	7630	8180	F1	ug/Kg	☼	107	53 - 100
Di-n-butyl phthalate	200	J F1	7630	9940	F1	ug/Kg	☼	128	57 - 102
4,6-Dinitro-2-methylphenol	ND	F1	15300	18000	F1	ug/Kg	☼	118	51 - 100
2,4-Dinitrophenol	ND	F1	15300	16200	F1	ug/Kg	☼	106	33 - 101
2,4-Dinitrotoluene	ND	F1	7630	8840	F1	ug/Kg	☼	116	54 - 104
2,6-Dinitrotoluene	ND	F1	7630	8750	F1	ug/Kg	☼	115	51 - 106
Di-n-octyl phthalate	ND	F1	7630	13300	F1	ug/Kg	☼	174	41 - 106
1,4-Dioxane	ND		7630	6620		ug/Kg	☼	87	25 - 125
Fluoranthene	ND	F1	7630	7700	F1	ug/Kg	☼	101	55 - 100
Fluorene	ND	F1	7630	8390	F1	ug/Kg	☼	110	52 - 100
Hexachlorobenzene	ND	F1	7630	7920	F1	ug/Kg	☼	104	49 - 100
Hexachlorobutadiene	ND		7630	7320		ug/Kg	☼	96	38 - 107
Hexachlorocyclopentadiene	ND	F1	7630	1100	F1	ug/Kg	☼	14	33 - 117
Hexachloroethane	ND		7630	7530		ug/Kg	☼	99	47 - 100
Indeno[1,2,3-cd]pyrene	ND	F1	7630	7960	F1	ug/Kg	☼	104	51 - 103
Isophorone	ND		7630	5750		ug/Kg	☼	75	48 - 105
2-Methylnaphthalene	ND	F1	7630	8120	F1	ug/Kg	☼	106	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	ND	F1	7630	8420	F1	ug/Kg	☼	110	50 - 101
Methylphenol, 3 & 4	ND	F1	7630	8160	F1	ug/Kg	☼	107	50 - 103
Naphthalene	ND	F1	7630	7920	F1	ug/Kg	☼	104	51 - 100
2-Nitroaniline	ND	F1	7630	9550	F1	ug/Kg	☼	125	42 - 123
3-Nitroaniline	ND	F1	7630	8280	F1	ug/Kg	☼	108	50 - 103
4-Nitroaniline	ND	F1	7630	8570	F1	ug/Kg	☼	112	52 - 103
Nitrobenzene	ND	F1	7630	8440	F1	ug/Kg	☼	111	44 - 108
2-Nitrophenol	ND	F1	7630	8400	F1	ug/Kg	☼	110	55 - 107
4-Nitrophenol	ND		15300	16300		ug/Kg	☼	106	30 - 134
N-Nitrosodi-n-propylamine	ND	F1	7630	8690	F1	ug/Kg	☼	114	45 - 107
N-Nitrosodiphenylamine	ND	F1	7630	8720	F1	ug/Kg	☼	114	52 - 100
2,2'-oxybis[1-chloropropane]	ND	F1	7630	8680	F1	ug/Kg	☼	114	30 - 113
Pentachlorophenol	ND		15300	16700		ug/Kg	☼	109	42 - 110
Phenanthrene	ND	F1	7630	8250	F1	ug/Kg	☼	108	53 - 100
Phenol	ND		7630	7630		ug/Kg	☼	100	49 - 100
Pyrene	ND	F1	7630	10400	F1	ug/Kg	☼	136	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7630	7770		ug/Kg	☼	102	41 - 104
2,3,4,6-Tetrachlorophenol	ND	F1	7630	7980	F1	ug/Kg	☼	105	47 - 104
2,4,5-Trichlorophenol	ND	F1	7630	8500	F1	ug/Kg	☼	111	50 - 104
2,4,6-Trichlorophenol	ND	F1	7630	8590	F1	ug/Kg	☼	112	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*44 - 105*
2-Fluorophenol (Surr)	*96*		*48 - 105*
Nitrobenzene-d5 (Surr)	*103*		*46 - 105*
Phenol-d5 (Surr)	*103*		*46 - 105*
Terphenyl-d14 (Surr)	*124*	*S1+*	*39 - 105*
2,4,6-Tribromophenol (Surr)	*98*		*34 - 108*

Lab Sample ID: 180-160800-8 MSD
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND	F1	7630	7830	F1	ug/Kg	☼	103	50 - 100	3	20
Acenaphthylene	ND	F1	7630	8460	F1	ug/Kg	☼	111	52 - 100	5	20
Acetophenone	ND		7630	6750		ug/Kg	☼	88	48 - 100	4	17
Anthracene	ND	F1	7630	7990	F1	ug/Kg	☼	105	53 - 100	4	20
Atrazine	ND	F1	7630	345	J F1	ug/Kg	☼	5	49 - 103	7	19
Benzaldehyde	ND	F1	7630	230	J F1	ug/Kg	☼	3	23 - 105	10	31
Benzo[a]anthracene	ND	F1	7630	8410	F1	ug/Kg	☼	110	51 - 100	3	21
Benzo[a]pyrene	ND	F1	7630	8630	F1	ug/Kg	☼	113	51 - 100	7	20
Benzo[b]fluoranthene	ND	F1	7630	8320	F1	ug/Kg	☼	109	48 - 100	6	20
Benzo[g,h,i]perylene	ND		7630	7860		ug/Kg	☼	103	48 - 105	3	19
Benzo[k]fluoranthene	ND	F1	7630	8090	F1	ug/Kg	☼	106	19 - 100	9	20
1,1'-Biphenyl	ND	F1	7630	7780	F1	ug/Kg	☼	102	50 - 100	4	19
Bis(2-chloroethoxy)methane	ND		7630	7250		ug/Kg	☼	95	49 - 100	5	20
Bis(2-chloroethyl)ether	ND		7630	6750		ug/Kg	☼	88	48 - 100	6	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-160800-8 MSD
Client Sample ID: SSHS-ISMP-NAF-LP-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 443730
Prep Batch: 443613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	ND	F1	7630	10600	F1	ug/Kg	☼	139	53 - 107	10	20
4-Bromophenyl phenyl ether	ND	F1	7630	8270	F1	ug/Kg	☼	108	52 - 101	1	20
Butyl benzyl phthalate	ND	F1	7630	10600	F1	ug/Kg	☼	139	52 - 107	8	19
Caprolactam	ND	F1	7630	7740		ug/Kg	☼	101	48 - 111	14	23
Carbazole	ND	F1	7630	7930	F1	ug/Kg	☼	104	53 - 100	6	20
4-Chloroaniline	ND		7630	5160		ug/Kg	☼	68	47 - 100	3	20
4-Chloro-3-methylphenol	ND	F1	7630	8030		ug/Kg	☼	105	49 - 106	8	20
2-Chloronaphthalene	ND	F1	7630	7730	F1	ug/Kg	☼	101	51 - 100	1	20
2-Chlorophenol	ND	F1	7630	7690	F1	ug/Kg	☼	101	51 - 100	4	17
4-Chlorophenyl phenyl ether	ND	F1	7630	7820	F1	ug/Kg	☼	102	52 - 100	7	19
Chrysene	ND	F1	7630	8160	F1	ug/Kg	☼	107	50 - 100	5	20
Dibenz(a,h)anthracene	ND		7630	8000		ug/Kg	☼	105	50 - 107	1	21
Dibenzofuran	ND	F1	7630	7620		ug/Kg	☼	100	52 - 100	5	19
3,3'-Dichlorobenzidine	ND	F1	7630	7860	F1	ug/Kg	☼	103	43 - 100	1	19
2,4-Dichlorophenol	ND	F1	7630	7630		ug/Kg	☼	100	53 - 101	3	22
Diethyl phthalate	ND	F1	7630	7730		ug/Kg	☼	101	48 - 104	10	20
2,4-Dimethylphenol	ND		7630	6890		ug/Kg	☼	90	51 - 101	5	32
Dimethyl phthalate	ND	F1	7630	7550		ug/Kg	☼	99	53 - 100	8	21
Di-n-butyl phthalate	200	J F1	7630	9350	F1	ug/Kg	☼	120	57 - 102	6	20
4,6-Dinitro-2-methylphenol	ND	F1	15300	16800	F1	ug/Kg	☼	110	51 - 100	7	22
2,4-Dinitrophenol	ND	F1	15300	14800		ug/Kg	☼	97	33 - 101	10	20
2,4-Dinitrotoluene	ND	F1	7630	7990	F1	ug/Kg	☼	105	54 - 104	10	20
2,6-Dinitrotoluene	ND	F1	7630	8130	F1	ug/Kg	☼	107	51 - 106	7	20
Di-n-octyl phthalate	ND	F1	7630	11100	F1	ug/Kg	☼	145	41 - 106	18	18
1,4-Dioxane	ND		7630	6290		ug/Kg	☼	82	25 - 125	5	17
Fluoranthene	ND	F1	7630	6890		ug/Kg	☼	90	55 - 100	11	20
Fluorene	ND	F1	7630	7810	F1	ug/Kg	☼	102	52 - 100	7	19
Hexachlorobenzene	ND	F1	7630	7800	F1	ug/Kg	☼	102	49 - 100	1	20
Hexachlorobutadiene	ND		7630	7190		ug/Kg	☼	94	38 - 107	2	22
Hexachlorocyclopentadiene	ND	F1	7630	1110	F1	ug/Kg	☼	15	33 - 117	0	19
Hexachloroethane	ND		7630	7270		ug/Kg	☼	95	47 - 100	4	17
Indeno[1,2,3-cd]pyrene	ND	F1	7630	8110	F1	ug/Kg	☼	106	51 - 103	2	19
Isophorone	ND		7630	5480		ug/Kg	☼	72	48 - 105	5	20
2-Methylnaphthalene	ND	F1	7630	7840	F1	ug/Kg	☼	103	53 - 100	4	21
2-Methylphenol	ND	F1	7630	7920	F1	ug/Kg	☼	104	50 - 101	6	17
Methylphenol, 3 & 4	ND	F1	7630	7810		ug/Kg	☼	102	50 - 103	4	19
Naphthalene	ND	F1	7630	7590		ug/Kg	☼	99	51 - 100	4	20
2-Nitroaniline	ND	F1	7630	9110		ug/Kg	☼	119	42 - 123	5	19
3-Nitroaniline	ND	F1	7630	7650		ug/Kg	☼	100	50 - 103	8	20
4-Nitroaniline	ND	F1	7630	7750		ug/Kg	☼	102	52 - 103	10	18
Nitrobenzene	ND	F1	7630	7960		ug/Kg	☼	104	44 - 108	6	21
2-Nitrophenol	ND	F1	7630	8280	F1	ug/Kg	☼	109	55 - 107	1	19
4-Nitrophenol	ND		15300	14500		ug/Kg	☼	95	30 - 134	12	18
N-Nitrosodi-n-propylamine	ND	F1	7630	8020		ug/Kg	☼	105	45 - 107	8	18
N-Nitrosodiphenylamine	ND	F1	7630	8460	F1	ug/Kg	☼	111	52 - 100	3	20
2,2'-oxybis[1-chloropropane]	ND	F1	7630	8070		ug/Kg	☼	106	30 - 113	7	17
Pentachlorophenol	ND		15300	15600		ug/Kg	☼	102	42 - 110	7	20
Phenanthrene	ND	F1	7630	7890	F1	ug/Kg	☼	103	53 - 100	5	20
Phenol	ND		7630	7170		ug/Kg	☼	94	49 - 100	6	16

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-160800-8 MSD
Matrix: Solid
Analysis Batch: 443730

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443613

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	ND	F1	7630	9800	F1	ug/Kg	☼	128	52 - 100	6	20
1,2,4,5-Tetrachlorobenzene	ND		7630	7580		ug/Kg	☼	99	41 - 104	2	21
2,3,4,6-Tetrachlorophenol	ND	F1	7630	7410		ug/Kg	☼	97	47 - 104	7	18
2,4,5-Trichlorophenol	ND	F1	7630	8230	F1	ug/Kg	☼	108	50 - 104	3	21
2,4,6-Trichlorophenol	ND	F1	7630	8190	F1	ug/Kg	☼	107	50 - 105	5	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*96*		*44 - 105*
2-Fluorophenol (Surr)	*94*		*48 - 105*
Nitrobenzene-d5 (Surr)	*99*		*46 - 105*
Phenol-d5 (Surr)	*97*		*46 - 105*
Terphenyl-d14 (Surr)	*118*	*S1+*	*39 - 105*
2,4,6-Tribromophenol (Surr)	*96*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-443573/1-C
Matrix: Solid
Analysis Batch: 443580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443573

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1221	ND		17	5.9	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1232	ND		17	4.1	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1242	ND		17	2.4	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1248	ND		17	4.0	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1254	ND		17	5.0	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1260	ND		17	4.7	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1262	ND		17	5.9	ug/Kg		08/15/23 23:30	08/16/23 07:07	1
PCB-1268	ND		17	2.2	ug/Kg		08/15/23 23:30	08/16/23 07:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*08/15/23 23:30*	*08/16/23 07:07*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*08/15/23 23:30*	*08/16/23 07:07*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*08/15/23 23:30*	*08/16/23 07:07*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*08/15/23 23:30*	*08/16/23 07:07*	*1*

Lab Sample ID: LCS 180-443573/2-C
Matrix: Solid
Analysis Batch: 443580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443573

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	989		ug/Kg		74	43 - 136		
PCB-1260			1330	945		ug/Kg		71	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-443573/2-C
Matrix: Solid
Analysis Batch: 443580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443573

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 443580

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443573

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1550	1470		ug/Kg	☼	95	43 - 136
PCB-1260	ND		1550	1320		ug/Kg	☼	85	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*

Lab Sample ID: 180-160800-8 MSD
Matrix: Solid
Analysis Batch: 443580

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443573

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1550	1440		ug/Kg	☼	93	43 - 136	2	40
PCB-1260	ND		1550	1320		ug/Kg	☼	85	55 - 128	0	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-443533/1-A
Matrix: Solid
Analysis Batch: 443913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.89	0.56	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Cadmium	ND		0.45	0.066	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Calcium	ND		450	58	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Chromium	ND		0.45	0.41	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Cobalt	ND		4.5	0.63	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Copper	ND		2.2	1.3	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Iron	ND		8.9	8.7	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Lead	ND		0.89	0.78	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Magnesium	ND		450	49	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Manganese	ND		1.3	0.25	mg/Kg		08/16/23 08:06	08/17/23 22:30	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-443533/1-A
Matrix: Solid
Analysis Batch: 443913

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		3.6	0.45	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Selenium	ND		0.89	0.41	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Silver	ND		0.45	0.093	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Vanadium	ND		4.5	0.71	mg/Kg		08/16/23 08:06	08/17/23 22:30	1
Zinc	ND		1.8	1.3	mg/Kg		08/16/23 08:06	08/17/23 22:30	1

Lab Sample ID: MB 180-443533/1-A
Matrix: Solid
Analysis Batch: 444240

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 443533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		18	4.5	mg/Kg		08/16/23 08:06	08/21/23 15:11	1
Antimony	ND		0.89	0.27	mg/Kg		08/16/23 08:06	08/21/23 15:11	1
Barium	ND		18	3.2	mg/Kg		08/16/23 08:06	08/21/23 15:11	1
Beryllium	ND		0.36	0.097	mg/Kg		08/16/23 08:06	08/21/23 15:11	1
Potassium	ND		450	76	mg/Kg		08/16/23 08:06	08/21/23 15:11	1
Sodium	ND		450	46	mg/Kg		08/16/23 08:06	08/21/23 15:11	1
Thallium	ND		1.8	0.25	mg/Kg		08/16/23 08:06	08/21/23 15:11	1

Lab Sample ID: LCS 180-443533/2-A
Matrix: Solid
Analysis Batch: 443913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443533

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	89.3	94.6		mg/Kg		106	80 - 120
Cadmium	44.6	47.0		mg/Kg		105	80 - 120
Calcium	2230	2420		mg/Kg		108	80 - 120
Chromium	44.6	42.8		mg/Kg		96	80 - 120
Cobalt	44.6	43.5		mg/Kg		97	80 - 120
Copper	44.6	41.4		mg/Kg		93	80 - 120
Iron	446	483		mg/Kg		108	80 - 120
Lead	44.6	39.6		mg/Kg		89	80 - 120
Magnesium	2230	2310		mg/Kg		104	80 - 120
Manganese	44.6	41.1		mg/Kg		92	80 - 120
Nickel	44.6	42.7		mg/Kg		96	80 - 120
Selenium	89.3	89.1		mg/Kg		100	80 - 120
Silver	22.3	19.3		mg/Kg		86	80 - 120
Vanadium	44.6	43.7		mg/Kg		98	80 - 120
Zinc	22.3	22.8		mg/Kg		102	80 - 120

Lab Sample ID: LCS 180-443533/2-A
Matrix: Solid
Analysis Batch: 444240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443533

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	446	453		mg/Kg		101	80 - 120
Antimony	22.3	23.2		mg/Kg		104	80 - 120
Barium	89.3	90.1		mg/Kg		101	80 - 120
Beryllium	44.6	45.6		mg/Kg		102	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-443533/2-A
Matrix: Solid
Analysis Batch: 444240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 443533

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium			2230	2250		mg/Kg		101	80 - 120		
Sodium			2230	2360		mg/Kg		106	80 - 120		
Thallium			89.3	86.7		mg/Kg		97	80 - 120		

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 443913

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443533

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	1000		1750	2470		mg/Kg	☼	81	75 - 125		
Cobalt	9.9		34.9	45.6		mg/Kg	☼	102	75 - 125		
Iron	22000		349	21000	4	mg/Kg	☼	-374	75 - 125		
Magnesium	2100		1750	3810		mg/Kg	☼	95	75 - 125		
Manganese	300		34.9	324	4	mg/Kg	☼	74	75 - 125		
Nickel	24		34.9	57.4		mg/Kg	☼	94	75 - 125		

Lab Sample ID: 180-160800-8 MS
Matrix: Solid
Analysis Batch: 444240

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443533

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum	14000		349	12800	4	mg/Kg	☼	-230	75 - 125		
Antimony	ND	F1	17.5	3.84	F1	mg/Kg	☼	22	75 - 125		
Arsenic	15		69.9	80.0		mg/Kg	☼	92	75 - 125		
Barium	84		69.9	137		mg/Kg	☼	76	75 - 125		
Beryllium	0.67	J	34.9	35.1		mg/Kg	☼	98	75 - 125		
Cadmium	ND		34.9	32.7		mg/Kg	☼	93	75 - 125		
Chromium	16		34.9	47.8		mg/Kg	☼	91	75 - 125		
Copper	35		34.9	64.1		mg/Kg	☼	84	75 - 125		
Lead	14		34.9	47.0		mg/Kg	☼	95	75 - 125		
Potassium	930	J	1750	2370		mg/Kg	☼	83	75 - 125		
Selenium	ND		69.9	67.8		mg/Kg	☼	97	75 - 125		
Silver	ND		17.5	16.1		mg/Kg	☼	92	75 - 125		
Sodium	ND		1750	1840		mg/Kg	☼	105	75 - 125		
Thallium	ND		69.9	70.0		mg/Kg	☼	100	75 - 125		
Vanadium	24		34.9	53.9		mg/Kg	☼	85	75 - 125		
Zinc	80		17.5	87.5	4	mg/Kg	☼	43	75 - 125		

Lab Sample ID: 180-160800-8 MSD
Matrix: Solid
Analysis Batch: 443913

Client Sample ID: SSHS-ISMP-NAF-LP-B1
Prep Type: Total/NA
Prep Batch: 443533

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	1000		1670	2340		mg/Kg	☼	78	75 - 125	5	20
Cobalt	9.9		33.3	44.9		mg/Kg	☼	105	75 - 125	1	20
Iron	22000		333	21300	4	mg/Kg	☼	-306	75 - 125	1	20
Magnesium	2100		1670	3580		mg/Kg	☼	86	75 - 125	6	20
Manganese	300		33.3	326	4	mg/Kg	☼	84	75 - 125	1	20
Nickel	24		33.3	57.2		mg/Kg	☼	99	75 - 125	0	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-160800-8 MSD — **Client Sample ID: SSHS-ISMP-NAF-LP-B1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 444240 — **Prep Batch: 443533**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	14000		333	13200	4	mg/Kg	☼	-123	75 - 125	3	20
Antimony	ND	F1	16.7	4.64	F1	mg/Kg	☼	28	75 - 125	19	20
Arsenic	15		66.7	78.4		mg/Kg	☼	95	75 - 125	2	20
Barium	84		66.7	136		mg/Kg	☼	79	75 - 125	1	20
Beryllium	0.67	J	33.3	33.5		mg/Kg	☼	99	75 - 125	4	20
Cadmium	ND		33.3	31.4		mg/Kg	☼	94	75 - 125	4	20
Chromium	16		33.3	47.1		mg/Kg	☼	93	75 - 125	1	20
Copper	35		33.3	64.4		mg/Kg	☼	89	75 - 125	1	20
Lead	14		33.3	46.3		mg/Kg	☼	98	75 - 125	1	20
Potassium	930	J	1670	2360		mg/Kg	☼	86	75 - 125	1	20
Selenium	ND		66.7	65.3		mg/Kg	☼	98	75 - 125	4	20
Silver	ND		16.7	15.5		mg/Kg	☼	93	75 - 125	4	20
Sodium	ND		1670	1760		mg/Kg	☼	105	75 - 125	5	20
Thallium	ND		66.7	68.4		mg/Kg	☼	103	75 - 125	2	20
Vanadium	24		33.3	53.9		mg/Kg	☼	89	75 - 125	0	20
Zinc	80		16.7	91.4	4	mg/Kg	☼	69	75 - 125	4	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-443515/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 443636 — **Prep Batch: 443515**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		08/15/23 12:45	08/16/23 08:41	1

Lab Sample ID: LCS 180-443515/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 443636 — **Prep Batch: 443515**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.397		mg/Kg		95	80 - 120

Lab Sample ID: 180-160800-8 MS — **Client Sample ID: SSHS-ISMP-NAF-LP-B1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 443636 — **Prep Batch: 443515**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.181	0.181		mg/Kg	☼	100	80 - 120

Lab Sample ID: 180-160800-8 MSD — **Client Sample ID: SSHS-ISMP-NAF-LP-B1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 443636 — **Prep Batch: 443515**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.178	0.181		mg/Kg	☼	101	80 - 120	0	20

GC/MS VOA

Analysis Batch: 443450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	EPA 8260C	443549
MB 180-443450/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-443450/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-443450/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 443549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	5035	
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	5035	
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	5035	
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	5035	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	5035	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	5035	
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	5035	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	5035	

Analysis Batch: 443633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	EPA 8260C	443549
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	EPA 8260C	443549
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 8260C	443549
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	EPA 8260C	443549
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	EPA 8260C	443549
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	EPA 8260C	443549
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8260C	443700
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	EPA 8260C	443549
MB 180-443633/11	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-443633/8	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8260C	443700
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8260C	443700

Prep Batch: 443700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	5035	
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	5035	
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 443613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	3541	
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	3541	
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	3541	
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	3541	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	3541	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	3541	
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	3541	
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3541	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	3541	
MB 180-443613/1-A	Method Blank	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 443613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-443613/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3541	
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3541	

Analysis Batch: 443730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	EPA 8270D	443613
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	EPA 8270D	443613
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	EPA 8270D	443613
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 8270D	443613
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	EPA 8270D	443613
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	EPA 8270D	443613
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	EPA 8270D	443613
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8270D	443613
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	EPA 8270D	443613
MB 180-443613/1-A	Method Blank	Total/NA	Solid	EPA 8270D	443613
LCS 180-443613/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	443613
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8270D	443613
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8270D	443613

GC Semi VOA

Prep Batch: 443573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	3541	
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	3541	
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	3541	
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	3541	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	3541	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	3541	
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	3541	
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3541	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	3541	
MB 180-443573/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-443573/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3541	
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3541	

Cleanup Batch: 443578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	3665A	443573
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	3665A	443573
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	3665A	443573
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	3665A	443573
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	3665A	443573
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	3665A	443573
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	3665A	443573
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3665A	443573
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	3665A	443573
MB 180-443573/1-C	Method Blank	Total/NA	Solid	3665A	443573
LCS 180-443573/2-C	Lab Control Sample	Total/NA	Solid	3665A	443573

GC Semi VOA (Continued)

Cleanup Batch: 443578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3665A	443573
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3665A	443573

Cleanup Batch: 443579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	3660B	443578
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	3660B	443578
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	3660B	443578
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	3660B	443578
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	3660B	443578
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	3660B	443578
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	3660B	443578
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3660B	443578
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	3660B	443578
MB 180-443573/1-C	Method Blank	Total/NA	Solid	3660B	443578
LCS 180-443573/2-C	Lab Control Sample	Total/NA	Solid	3660B	443578
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3660B	443578
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3660B	443578

Analysis Batch: 443580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	EPA 8082A	443579
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	EPA 8082A	443579
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	EPA 8082A	443579
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 8082A	443579
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	EPA 8082A	443579
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	EPA 8082A	443579
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	EPA 8082A	443579
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8082A	443579
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	EPA 8082A	443579
MB 180-443573/1-C	Method Blank	Total/NA	Solid	EPA 8082A	443579
LCS 180-443573/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	443579
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8082A	443579
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 8082A	443579

Metals

Prep Batch: 443515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	7471B	
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	7471B	
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	7471B	
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	7471B	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	7471B	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	7471B	
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	7471B	
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	7471B	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	7471B	
MB 180-443515/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-443515/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 443515 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	7471B	

Prep Batch: 443533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	3050B	
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	3050B	
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	3050B	
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	3050B	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	3050B	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	3050B	
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	3050B	
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3050B	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	3050B	
MB 180-443533/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-443533/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3050B	
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	3050B	

Analysis Batch: 443636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	EPA 7471B	443515
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	EPA 7471B	443515
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	EPA 7471B	443515
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 7471B	443515
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	EPA 7471B	443515
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	EPA 7471B	443515
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	EPA 7471B	443515
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 7471B	443515
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	EPA 7471B	443515
MB 180-443515/1-A	Method Blank	Total/NA	Solid	EPA 7471B	443515
LCS 180-443515/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	443515
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 7471B	443515
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 7471B	443515

Analysis Batch: 443913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	EPA 6010C	443533
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	EPA 6010C	443533
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	EPA 6010C	443533
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 6010C	443533
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	EPA 6010C	443533
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	EPA 6010C	443533
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	EPA 6010C	443533
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 6010C	443533
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	EPA 6010C	443533
MB 180-443533/1-A	Method Blank	Total/NA	Solid	EPA 6010C	443533
LCS 180-443533/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	443533
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 6010C	443533
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 6010C	443533

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-160800-1
Project/Site: Former Sperry Remington-Confirmation

Metals

Analysis Batch: 444240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	EPA 6010C	443533
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	EPA 6010C	443533
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	EPA 6010C	443533
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 6010C	443533
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	EPA 6010C	443533
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	EPA 6010C	443533
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	EPA 6010C	443533
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 6010C	443533
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	EPA 6010C	443533
MB 180-443533/1-A	Method Blank	Total/NA	Solid	EPA 6010C	443533
LCS 180-443533/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	443533
180-160800-8 MS	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 6010C	443533
180-160800-8 MSD	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	EPA 6010C	443533

Analysis Batch: 444383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 6010C	443533

Analysis Batch: 444528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	EPA 6010C	443533

General Chemistry

Analysis Batch: 443513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-160800-1	SSHS-ISMP-NAF-LP-S1	Total/NA	Solid	2540G	
180-160800-2	SSHS-ISMP-NAF-LP-S2	Total/NA	Solid	2540G	
180-160800-3	SSHS-ISMP-NAF-LP-S3	Total/NA	Solid	2540G	
180-160800-4	SSHS-ISMP-NAF-LP-S4	Total/NA	Solid	2540G	
180-160800-5	SSHS-ISMP-NAF-LP-S5	Total/NA	Solid	2540G	
180-160800-6	SSHS-ISMP-NAF-DUP22A	Total/NA	Solid	2540G	
180-160800-7	SSHS-ISMP-NAF-LP-S6	Total/NA	Solid	2540G	
180-160800-8	SSHS-ISMP-NAF-LP-B1	Total/NA	Solid	2540G	
180-160800-9	SSHS-ISMP-NAF-LP-B2	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
	Z MILLER	Dunlap, David A		180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Columbia	TAT Requested (days): 3-Day		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044			
Phone: 40-381-4333	PO #: MN0832I		Other:
Email: akrasnopoler@geosyntec com	WO #:		
Project Name: Former Sperry Remington Site	Project #: 18013464		
Site	SSOW#:		

as per Miranda Stelmach, change IDs as noted below D. Dunlap 8/21/23

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS									Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-AREAF-S4 SSHS-ISMP-NAF-LP-S1	8/14/23	1430	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-AREAF-S5 SSHS-ISMP-NAF-LP-S2	8/14/23	1435	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S6 SSHS-ISMP-NAF-LP-S3	8/14/23	1440	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S7 SSHS-ISMP-NAF-LP-S4	8/14/23	1445	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-S8 SSHS-ISMP-NAF-LP-S5	8/14/23	1450	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-DUP306 SSHS-ISMP-NAF-DUP22A	8/14/23	-	G	S	N	N	X	X	X	X	X	X									8	
SSHS-IRM5A2-AREAF-S9 SSHS-ISMP-NAF-LP-S6	8/14/23	1455	G	S	N	N	X	X	X	X											6	
SSHS-IRM5A2-AREAF-B6 SSHS-ISMP-NAF-LP-B1	8/14/23	1500	G	S	N	Y	X	X	X	X											16	
SSHS-IRM5A2-AREAF-B7 SSHS-ISMP-NAF-LP-B2	8/14/23	1505	G	S	N	N	X	X	X	X	X	X									8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer ...
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Miranda Stelmach	8/14/23/1800	Geosyntec		8/15/23 0924	EA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

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8/24/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

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Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 3-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-160800 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-AREAF-S4	8/14/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-AREAF-S5	8/14/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-S6	8/14/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-S7	8/14/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-S8	8/14/23	1450	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP306	8/14/23	-	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-AREAF-S9	8/14/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-AREAF-B6	8/14/23	1500	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-AREAF-B7	8/14/23	1505	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Miller	8/14/23 1800	Company: Geosyntec		8/15/23 0920	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-160800 Field Sheet

Tracking # 7730 4791 4346

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID 102 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 221 2291

Cooler ID _____

Temp Observed 5.4 °C Corrected 5.4 °C
From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials DM Date 8/15/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date 08/15/23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: DM Date 08/15/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-160800-1

Login Number: 160800
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/7/2023 5:07:05 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161130-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-161130-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161130-2

Comments
Notation was made to the COC regarding the addition of prefix “SSHS-“ to all sample IDs.

Receipt
The samples were received on 8/19/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7º C and 3.8º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23 *
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161130-3	SSHS-ISMP-NAF-UT-S7	Solid	08/18/23 09:55	08/19/23 09:10

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3

Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.35 g	10.0 mL	702911	08/30/23 18:37	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	703697	09/05/23 11:15	S1C	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

S1C = Sudarat Chanprathad

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3
Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.13**	**J**	0.21	0.049	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.044	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.052	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.023	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.053	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.052	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1
8:2 FTS	ND		0.21	0.038	ug/Kg	☼	08/30/23 18:37	09/05/23 11:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*52*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C5 PFPeA	*84*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C2 PFHxA	*84*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C4 PFHpA	*86*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C4 PFOA	*83*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C5 PFNA	*93*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C2 PFDA	*92*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C2 PFUnA	*95*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C2 PFDoA	*91*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C3 PFBS	*74*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
18O2 PFHxS	*80*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C4 PFOS	*84*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
13C8 FOSA	*108*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
d3-NMeFOSAA	*125*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
d5-NEtFOSAA	*133*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*
M2-8:2 FTS	*118*		*25 - 150*	*08/30/23 18:37*	*09/05/23 11:15*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-702911/1-A
Matrix: Solid
Analysis Batch: 703697

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
6:2 FTS	ND		0.20	0.027	ug/Kg		08/30/23 18:37	09/05/23 10:44	1
8:2 FTS	ND		0.20	0.035	ug/Kg		08/30/23 18:37	09/05/23 10:44	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*51*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C5 PFPeA	*83*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C2 PFHxA	*85*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C4 PFHpA	*87*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C4 PFOA	*86*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C5 PFNA	*93*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C2 PFDA	*93*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C2 PFUnA	*89*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C2 PFDoA	*89*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C3 PFBS	*83*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
18O2 PFHxS	*87*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C4 PFOS	*89*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
13C8 FOSA	*106*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
d3-NMeFOSAA	*117*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
d5-NEtFOSAA	*122*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*08/30/23 18:37*	*09/05/23 10:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-702911/2-A
Matrix: Solid
Analysis Batch: 703697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.19		ug/Kg		110	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.16		ug/Kg		108	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.21		ug/Kg		110	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.29		ug/Kg		115	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.17		ug/Kg		108	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.09		ug/Kg		105	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.14		ug/Kg		107	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.29		ug/Kg		114	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.22		ug/Kg		111	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.96		ug/Kg		98	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.03		ug/Kg		114	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.81		ug/Kg		99	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.97		ug/Kg		103	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.91		ug/Kg		103	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.98		ug/Kg		103	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.05		ug/Kg		102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.05		ug/Kg		103	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.01		ug/Kg		100	72 - 132
6:2 FTS	1.90	2.11		ug/Kg		111	73 - 139
8:2 FTS	1.92	1.98		ug/Kg		103	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*41*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*84*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*86*		*25 - 150*
13C5 PFNA	*89*		*25 - 150*
13C2 PFDA	*93*		*25 - 150*
13C2 PFUnA	*90*		*25 - 150*
13C2 PFDoA	*89*		*25 - 150*
13C2 PFTeDA	*79*		*25 - 150*
13C3 PFBS	*77*		*25 - 150*
18O2 PFHxS	*84*		*25 - 150*
13C4 PFOS	*87*		*25 - 150*
13C8 FOSA	*104*		*25 - 150*
d3-NMeFOSAA	*108*		*25 - 150*
d5-NEtFOSAA	*115*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-702911/2-A
Matrix: Solid
Analysis Batch: 703697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702911

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	91		25 - 150

Lab Sample ID: LCSD 320-702911/3-A
Matrix: Solid
Analysis Batch: 703697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 702911

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			2.00	2.10		ug/Kg		105	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)			2.00	2.12		ug/Kg		106	69 - 129	2	30
Perfluorohexanoic acid (PFHxA)			2.00	2.07		ug/Kg		104	71 - 131	6	30
Perfluoroheptanoic acid (PFHpA)			2.00	2.07		ug/Kg		103	71 - 131	3	30
Perfluorooctanoic acid (PFOA)			2.00	2.41		ug/Kg		121	72 - 132	5	30
Perfluorononanoic acid (PFNA)			2.00	2.11		ug/Kg		105	73 - 133	3	30
Perfluorodecanoic acid (PFDA)			2.00	2.03		ug/Kg		101	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)			2.00	2.02		ug/Kg		101	66 - 126	6	30
Perfluorododecanoic acid (PFDoA)			2.00	2.10		ug/Kg		105	71 - 131	9	30
Perfluorotridecanoic acid (PFTriA)			2.00	2.09		ug/Kg		104	71 - 131	6	30
Perfluorotetradecanoic acid (PFTeA)			2.00	2.00		ug/Kg		100	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)			1.78	1.80		ug/Kg		101	69 - 129	12	30
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.79		ug/Kg		98	62 - 122	2	30
Perfluoroheptanesulfonic acid (PFHpS)			1.91	1.87		ug/Kg		98	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)			1.86	1.91		ug/Kg		103	68 - 141	0	30
Perfluorodecanesulfonic acid (PFDS)			1.93	1.82		ug/Kg		94	71 - 131	8	30
Perfluorooctanesulfonamide (FOSA)			2.00	2.06		ug/Kg		103	77 - 137	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	1.99		ug/Kg		100	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	2.05		ug/Kg		102	72 - 132	2	30
6:2 FTS			1.90	1.98		ug/Kg		104	73 - 139	6	30
8:2 FTS			1.92	1.91		ug/Kg		99	75 - 135	4	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	31		25 - 150
13C5 PFPeA	80		25 - 150
13C2 PFHxA	89		25 - 150
13C4 PFHpA	93		25 - 150
13C4 PFOA	85		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	95		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	95		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-702911/3-A
Matrix: Solid
Analysis Batch: 703697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 702911

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	79		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	90		25 - 150
13C8 FOSA	105		25 - 150
d3-NMeFOSAA	110		25 - 150
d5-NEtFOSAA	118		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	96		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 702911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	SHAKE	
MB 320-702911/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-702911/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCSD 320-702911/3-A	Lab Control Sample Dup	Total/NA	Solid	SHAKE	

Analysis Batch: 703697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	537 (modified)	702911
MB 320-702911/1-A	Method Blank	Total/NA	Solid	537 (modified)	702911
LCS 320-702911/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	702911
LCSD 320-702911/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	702911

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
ISMP-NAF-UT-S95	8/18/23	0945	G	S	N	N	X	X	X	X									6	
ISMP-NAF-UT-S96	8/18/23	0950	G	S	N	N	X	X	X	X									6	
ISMP-NAF-UT-S7	8/18/23	0955	G	S	N	N	X	X	X	X	X	X							8	
add prefix of "SSHS-" to all samples as per Miranda Stelmach. D Dunlap 8/21/23																				

180-161130 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Andy WESS	8-18-2023 1200	Geosyntec		8-19-23 0910	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

9/7/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
ISMP-NAF-UT-S95	8/18/23	0945	G	S	N	N	X	X	X	X									6	
ISMP-NAF-UT-S96	8/18/23	0950	G	S	N	N	X	X	X	X									6	
ISMP-NAF-UT-S7	8/18/23	0955	G	S	N	N	X	X	X	X	X	X							8	

180-161130 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

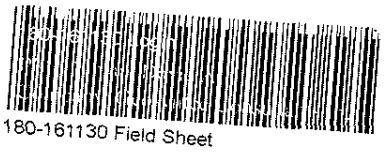
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Abby Wess	8/18/23 12:00 12pm	Company: Geosyntec		8/19/23 0970	EET SAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes



Tracking # 7730 6245 5261

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID WG Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 2212293

Cooler ID _____

Temp Observed 3.8 °C Corrected 3.9 °C
From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials VM Date 8/19/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SD Date 8/21/23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SD Date 8/21/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161130-2

Login Number: 161130
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161130-2

Login Number: 161130
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 08/21/23 01:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2212293
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161130-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-161130-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161130-1

Comments
Notation was made to the COC regarding the addition of prefix “SSHS-“ to all sample IDs.

Receipt
The samples were received on 8/19/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7º C and 3.8º C.

GC/MS VOA
Method 8260D: The laboratory control sample (LCS) for batch 180-444028 recovered below the control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analytes had they been present. Since the affected target analytes were not detected in the associated samples, the results were reported.

Method 8260D: The laboratory control sample duplicate (LCSD) for batch 180-444105 recovered below the control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analytes had they been present. Since the affected target analytes were not detected in the associated samples, the results were reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-444028 was below criteria for the following analytes: 2-Hexanone, Acetone, Chloroethane, 4-Methyl-2-pentanone, Bromoform, and 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-444028 was above criteria for the following analytes: Dichlorodifluoromethane, Chloromethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-444105 was below criteria for the following analytes: 2-Butanone, 2-Hexanone, Acetone, Chloroethane, 4-Methyl-2-pentanone, and 1,2-Dibromo-3-Chloropropane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-444105 was above criteria for the following analytes: Dichlorodifluoromethane, Chloromethane, Methyl acetate, and Methylene chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-444928 was below criteria for the following analytes: 4-Nitroaniline, 4-Nitrophenol, and 4-Chlorophenyl phenyl ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-444928 was above criteria for the following analytes: Butyl benzyl phthalate, Di-n-octyl phthalate, and 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-445082 was above criteria for the following analytes:

Job ID: 180-161130-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Di-n-octyl phthalate and Benzaldehyde. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: Samples SSHS-ISMP-NAF-UT-S95 (180-161130-1) and SSHS-ISMP-NAF-UT-S96 (180-161130-2) had the recoveries of surrogate decachlorobiphenyl above the control limits on column RTX-CLP2. The recoveries on column RTX-CLP1 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-444329 (CCV 180-444329/4) was below criteria for aroclor 1248 for 2 peaks on column RTX-CLP1 and 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The serial dilution performed for the following sample associated with batch 180-445748 was above the control limits for calcium: SSHS-ISMP-NAF-UT-S95 (180-161130-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161130-1	SSHS-ISMP-NAF-UT-S95	Solid	08/18/23 09:45	08/19/23 09:10
180-161130-2	SSHS-ISMP-NAF-UT-S96	Solid	08/18/23 09:50	08/19/23 09:10
180-161130-3	SSHS-ISMP-NAF-UT-S7	Solid	08/18/23 09:55	08/19/23 09:10

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S95
Lab Sample ID: 180-161130-1
Date Collected: 08/18/23 09:45
Matrix: Solid
Date Received: 08/19/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			444462	08/23/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S95
Lab Sample ID: 180-161130-1
Date Collected: 08/18/23 09:45
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0432 g	5 mL	444038	08/19/23 10:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	444028	08/19/23 21:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	444893	08/29/23 06:43	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	444928	08/29/23 21:38	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.5 g	20.0 mL	444206	08/22/23 05:51	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	444334	08/23/23 05:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	444335	08/23/23 05:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	444329	08/23/23 18:02	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	444215	08/23/23 08:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			445748	09/07/23 05:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	444215	08/23/23 08:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			445980	09/08/23 19:44	RJR	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	444154	08/22/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			444452	08/23/23 11:25	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2
Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			444462	08/23/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2
Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02326 g	5 mL	444115	08/19/23 20:33	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	444105	08/21/23 15:35	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2
Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	444893	08/29/23 06:43	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	444928	08/29/23 22:00	VVP	EET PIT
	Instrument ID: CH71									
Total/NA	Prep	3541			15.1 g	20.0 mL	444206	08/22/23 05:51	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	444334	08/23/23 05:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	444335	08/23/23 05:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	444329	08/23/23 18:21	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.61 g	50 mL	444215	08/23/23 08:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			445748	09/07/23 05:27	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.61 g	50 mL	444215	08/23/23 08:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			445980	09/08/23 19:55	RJR	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	444154	08/22/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			444452	08/23/23 11:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3
Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			444462	08/23/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3
Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0307 g	5 mL	444038	08/19/23 10:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	444028	08/19/23 22:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	444893	08/29/23 06:43	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445082	08/30/23 13:10	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	444206	08/22/23 05:51	VJC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	444334	08/23/23 05:53	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	444335	08/23/23 05:54	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	444329	08/23/23 18:40	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.54 g	50 mL	444215	08/23/23 08:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			445748	09/07/23 05:32	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3

Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.54 g	50 mL	444215	08/23/23 08:25	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			445980	09/08/23 20:00	RJR	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	444154	08/22/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			444452	08/23/23 11:27	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- RJR = Ron Rosenbaum
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S95
Lab Sample ID: 180-161130-1
Date Collected: 08/18/23 09:45
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 88.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.4**	**J**	28	4.4	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Benzene	ND		5.6	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
2-Hexanone	ND	*-	28	1.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
4-Methyl-2-pentanone (MIBK)	ND	*-	28	2.0	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Styrene	ND		5.6	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Toluene	ND		5.6	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1

Client Sample ID: SSHS-ISMP-NAF-UT-S95
Lab Sample ID: 180-161130-1

Date Collected: 08/18/23 09:45
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 88.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Vinyl chloride	ND		5.6	4.0	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	08/19/23 10:00	08/19/23 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*08/19/23 10:00*	*08/19/23 21:22*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*08/19/23 10:00*	*08/19/23 21:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 135*	*08/19/23 10:00*	*08/19/23 21:22*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*08/19/23 10:00*	*08/19/23 21:22*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Acenaphthylene	ND		74	16	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Acetophenone	ND		740	130	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Anthracene	ND		74	19	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Atrazine	ND		740	160	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Benzaldehyde	ND		740	46	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Caprolactam	ND		1900	240	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Carbazole	ND		74	17	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Chrysene	ND		74	41	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Dibenzofuran	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,4-Dichlorophenol	ND		74	29	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1

Client Sample ID: SSHS-ISMP-NAF-UT-S95
Lab Sample ID: 180-161130-1
Date Collected: 08/18/23 09:45
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 88.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Fluoranthene	ND		74	20	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Fluorene	ND		74	15	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Hexachlorobenzene	ND		74	27	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Hexachloroethane	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Isophorone	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2-Methylphenol	ND		370	110	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Naphthalene	ND		74	14	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Nitrobenzene	ND		740	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Phenanthrene	ND		74	20	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Phenol	ND		370	110	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
Pyrene	**31**	**J**	74	18	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	08/29/23 06:43	08/29/23 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*08/29/23 06:43*	*08/29/23 21:38*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*08/29/23 06:43*	*08/29/23 21:38*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*08/29/23 06:43*	*08/29/23 21:38*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*08/29/23 06:43*	*08/29/23 21:38*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 105*	*08/29/23 06:43*	*08/29/23 21:38*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*08/29/23 06:43*	*08/29/23 21:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1221	ND		18	6.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1232	ND		18	4.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1242	ND		18	2.7	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1248	**2000**		18	4.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1254	ND		18	5.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1260	ND		18	5.2	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1

Client Sample ID: SSHS-ISMP-NAF-UT-S95
Lab Sample ID: 180-161130-1
Date Collected: 08/18/23 09:45
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 88.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1
PCB-1268	ND		18	2.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*132*		*63 - 138*	*08/22/23 05:51*	*08/23/23 18:02*	*1*
DCB Decachlorobiphenyl (Surr)	*153*	*S1+*	*63 - 138*	*08/22/23 05:51*	*08/23/23 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/22/23 05:51*	*08/23/23 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*08/22/23 05:51*	*08/23/23 18:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		20	5.1	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Antimony	**0.37**	**J**	1.0	0.31	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Arsenic	**6.4**		1.0	0.64	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Barium	**50**		20	3.6	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Beryllium	**0.34**	**J**	0.41	0.11	mg/Kg	☼	08/23/23 08:25	09/08/23 19:44	1
Cadmium	**0.34**	**J**	0.51	0.075	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Calcium	**24000**		510	66	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Chromium	**9.3**		0.51	0.47	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Cobalt	**6.4**		5.1	0.72	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Copper	**34**		2.6	1.5	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Iron	**19000**		10	10	mg/Kg	☼	08/23/23 08:25	09/08/23 19:44	1
Lead	**7.3**		1.0	0.89	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Magnesium	**5200**		510	56	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Manganese	**390**		1.5	0.28	mg/Kg	☼	08/23/23 08:25	09/08/23 19:44	1
Nickel	**16**		4.1	0.52	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Potassium	**440**	**J**	510	87	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Selenium	ND		1.0	0.47	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Silver	ND		0.51	0.11	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Sodium	**54**	**J**	510	52	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Thallium	ND		2.0	0.29	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Vanadium	**11**		5.1	0.81	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1
Zinc	**56**		2.0	1.5	mg/Kg	☼	08/23/23 08:25	09/07/23 05:07	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.035	0.023	mg/Kg	☼	08/22/23 08:00	08/23/23 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.2**		0.1	0.1	%			08/23/23 15:18	1
Percent Solids (SM22 2540G)	**88.8**		0.1	0.1	%			08/23/23 15:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2
Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.6	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Benzene	ND		5.9	1.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2
Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.9	3.0	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Chloroform	ND		5.9	3.9	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Dichlorobromomethane	ND		5.9	2.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,4-Dioxane	ND		1200	89	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
2-Hexanone	ND	*-	29	1.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Methyl acetate	ND		29	8.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
4-Methyl-2-pentanone (MIBK)	ND	*-	29	2.2	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Styrene	ND		5.9	1.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Toluene	ND		5.9	1.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Trichloroethene	**1.9**	**J**	5.9	1.8	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2

Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	08/19/23 20:33	08/21/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*08/19/23 20:33*	*08/21/23 15:35*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*08/19/23 20:33*	*08/21/23 15:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*08/19/23 20:33*	*08/21/23 15:35*	*1*
Toluene-d8 (Surr)	*115*		*67 - 134*	*08/19/23 20:33*	*08/21/23 15:35*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**38**	**J**	79	23	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Acenaphthylene	**420**		79	17	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Acetophenone	ND		790	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Anthracene	**430**		79	20	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Atrazine	ND		790	170	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Benzaldehyde	ND		790	49	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Benzo[a]anthracene	**1000**		79	35	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Benzo[a]pyrene	**1100**		79	34	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Benzo[b]fluoranthene	**1100**		79	19	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Benzo[g,h,i]perylene	**1200**		79	17	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Benzo[k]fluoranthene	**450**		79	24	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Caprolactam	ND		2000	260	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Carbazole	**90**		79	18	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Chrysene	**960**		79	44	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Dibenz(a,h)anthracene	**220**		79	50	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Dibenzofuran	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2
Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		790	120	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Fluoranthene	**1400**		79	21	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Fluorene	**84**		79	15	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Hexachloroethane	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Indeno[1,2,3-cd]pyrene	**910**		79	39	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Isophorone	ND		390	150	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2-Methylnaphthalene	**110**		79	19	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2-Methylphenol	ND		390	110	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Naphthalene	**300**		79	15	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Nitrobenzene	ND		790	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Phenanthrene	**870**		79	21	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Phenol	ND		390	120	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
Pyrene	**2300**		79	19	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	08/29/23 06:43	08/29/23 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*08/29/23 06:43*	*08/29/23 22:00*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*08/29/23 06:43*	*08/29/23 22:00*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*08/29/23 06:43*	*08/29/23 22:00*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*08/29/23 06:43*	*08/29/23 22:00*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*08/29/23 06:43*	*08/29/23 22:00*	*1*
2,4,6-Tribromophenol (Surr)	*61*		*34 - 108*	*08/29/23 06:43*	*08/29/23 22:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1221	ND		20	6.9	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1232	ND		20	4.8	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1242	ND		20	2.9	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1248	ND		20	4.7	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1254	**410**		20	5.9	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1260	ND		20	5.6	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1262	ND		20	6.9	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1
PCB-1268	ND		20	2.6	ug/Kg	☼	08/22/23 05:51	08/23/23 18:21	1

Client Sample ID: SSHS-ISMP-NAF-UT-S96
Lab Sample ID: 180-161130-2

Date Collected: 08/18/23 09:50
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 84.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*08/22/23 05:51*	*08/23/23 18:21*	*1*
DCB Decachlorobiphenyl (Surr)	*154*	*S1+*	*63 - 138*	*08/22/23 05:51*	*08/23/23 18:21*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*08/22/23 05:51*	*08/23/23 18:21*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*08/22/23 05:51*	*08/23/23 18:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		19	4.8	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Antimony	**0.49**	**J**	0.97	0.29	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Arsenic	**12**		0.97	0.61	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Barium	**120**		19	3.5	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Beryllium	**0.56**		0.39	0.11	mg/Kg	☼	08/23/23 08:25	09/08/23 19:55	1
Cadmium	**0.71**		0.49	0.071	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Calcium	**33000**		490	63	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Chromium	**13**		0.49	0.44	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Cobalt	**8.7**		4.9	0.68	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Copper	**55**		2.4	1.5	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Iron	**21000**		9.7	9.4	mg/Kg	☼	08/23/23 08:25	09/08/23 19:55	1
Lead	**96**		0.97	0.85	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Magnesium	**3100**		490	53	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Manganese	**530**		1.5	0.27	mg/Kg	☼	08/23/23 08:25	09/08/23 19:55	1
Nickel	**26**		3.9	0.49	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Potassium	**560**		490	83	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Selenium	**0.59**	**J**	0.97	0.45	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Silver	ND		0.49	0.10	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Sodium	**75**	**J**	490	50	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Thallium	ND		1.9	0.28	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Vanadium	**19**		4.9	0.77	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1
Zinc	**100**		1.9	1.4	mg/Kg	☼	08/23/23 08:25	09/07/23 05:27	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**		0.035	0.022	mg/Kg	☼	08/22/23 08:00	08/23/23 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.5**		0.1	0.1	%			08/23/23 15:18	1
Percent Solids (SM22 2540G)	**84.5**		0.1	0.1	%			08/23/23 15:18	1

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3

Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Benzene	ND		5.7	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3
Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,4-Dioxane	ND		1100	87	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
2-Hexanone	ND	*-	29	1.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
4-Methyl-2-pentanone (MIBK)	ND	*-	29	2.1	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Styrene	ND		5.7	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Toluene	ND		5.7	1.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	08/19/23 10:00	08/19/23 22:09	1

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3

Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*08/19/23 10:00*	*08/19/23 22:09*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*08/19/23 10:00*	*08/19/23 22:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*08/19/23 10:00*	*08/19/23 22:09*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*08/19/23 10:00*	*08/19/23 22:09*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Acenaphthylene	ND		76	17	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Acetophenone	ND		760	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Anthracene	ND		76	20	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Atrazine	ND		760	170	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Benzaldehyde	ND		760	47	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Benzo[b]fluoranthene	ND		76	19	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Caprolactam	ND		1900	250	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Carbazole	ND		76	18	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Chrysene	ND		76	42	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Dibenzofuran	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Fluoranthene	ND		76	20	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Fluorene	ND		76	15	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3
Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Hexachloroethane	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Isophorone	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2-Methylphenol	ND		370	110	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Naphthalene	ND		76	15	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Nitrobenzene	ND		760	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Phenanthrene	ND		76	20	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Phenol	ND		370	110	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
Pyrene	**18**	**J**	76	18	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	08/29/23 06:43	08/30/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*08/29/23 06:43*	*08/30/23 13:10*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*08/29/23 06:43*	*08/30/23 13:10*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*08/29/23 06:43*	*08/30/23 13:10*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*08/29/23 06:43*	*08/30/23 13:10*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*08/29/23 06:43*	*08/30/23 13:10*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*08/29/23 06:43*	*08/30/23 13:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1221	ND		19	6.7	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1232	ND		19	4.6	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1242	ND		19	2.8	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1248	ND		19	4.5	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1254	ND		19	5.7	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1260	ND		19	5.4	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1262	ND		19	6.6	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1
PCB-1268	ND		19	2.5	ug/Kg	☼	08/22/23 05:51	08/23/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*122*		*63 - 138*	*08/22/23 05:51*	*08/23/23 18:40*	*1*
DCB Decachlorobiphenyl (Surr)	*75*	*p*	*63 - 138*	*08/22/23 05:51*	*08/23/23 18:40*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*08/22/23 05:51*	*08/23/23 18:40*	*1*

Client Sample ID: SSHS-ISMP-NAF-UT-S7
Lab Sample ID: 180-161130-3

Date Collected: 08/18/23 09:55
Matrix: Solid
Date Received: 08/19/23 09:10
Percent Solids: 87.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*08/22/23 05:51*	*08/23/23 18:40*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**		21	5.3	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Antimony	ND		1.1	0.32	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Arsenic	**9.8**		1.1	0.67	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Barium	**74**		21	3.8	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Beryllium	**0.43**		0.43	0.12	mg/Kg	☼	08/23/23 08:25	09/08/23 20:00	1
Cadmium	**0.37**	**J**	0.53	0.078	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Calcium	**3100**		530	69	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Chromium	**17**		0.53	0.48	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Cobalt	**7.5**		5.3	0.75	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Copper	**39**		2.7	1.6	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Iron	**18000**		11	10	mg/Kg	☼	08/23/23 08:25	09/08/23 20:00	1
Lead	**42**		1.1	0.93	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Magnesium	**2200**		530	58	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Manganese	**440**		1.6	0.30	mg/Kg	☼	08/23/23 08:25	09/08/23 20:00	1
Nickel	**17**		4.3	0.54	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Potassium	**550**		530	91	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Selenium	ND		1.1	0.49	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Silver	ND		0.53	0.11	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Sodium	ND		530	54	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Thallium	ND		2.1	0.30	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Vanadium	**16**		5.3	0.84	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1
Zinc	**68**		2.1	1.5	mg/Kg	☼	08/23/23 08:25	09/07/23 05:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.035	0.022	mg/Kg	☼	08/22/23 08:00	08/23/23 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.0**		0.1	0.1	%			08/23/23 15:18	1
Percent Solids (SM22 2540G)	**87.0**		0.1	0.1	%			08/23/23 15:18	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-444028/8
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			08/19/23 17:46	1
Benzene	ND		5.0	1.4	ug/Kg			08/19/23 17:46	1
Bromoform	ND		5.0	2.5	ug/Kg			08/19/23 17:46	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/19/23 17:46	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			08/19/23 17:46	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/19/23 17:46	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/19/23 17:46	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			08/19/23 17:46	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/19/23 17:46	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/19/23 17:46	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/19/23 17:46	1
Chloroform	ND		5.0	3.4	ug/Kg			08/19/23 17:46	1
Chloromethane	ND		5.0	2.0	ug/Kg			08/19/23 17:46	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			08/19/23 17:46	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/19/23 17:46	1
Cyclohexane	ND		5.0	2.4	ug/Kg			08/19/23 17:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/19/23 17:46	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			08/19/23 17:46	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			08/19/23 17:46	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/19/23 17:46	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			08/19/23 17:46	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/19/23 17:46	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			08/19/23 17:46	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			08/19/23 17:46	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			08/19/23 17:46	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			08/19/23 17:46	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/19/23 17:46	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			08/19/23 17:46	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/19/23 17:46	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			08/19/23 17:46	1
2-Hexanone	ND		25	1.6	ug/Kg			08/19/23 17:46	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			08/19/23 17:46	1
Methyl acetate	ND		25	7.4	ug/Kg			08/19/23 17:46	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			08/19/23 17:46	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/19/23 17:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			08/19/23 17:46	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			08/19/23 17:46	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			08/19/23 17:46	1
o-Xylene	ND		5.0	2.0	ug/Kg			08/19/23 17:46	1
Styrene	ND		5.0	1.5	ug/Kg			08/19/23 17:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			08/19/23 17:46	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			08/19/23 17:46	1
Toluene	ND		5.0	1.4	ug/Kg			08/19/23 17:46	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			08/19/23 17:46	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/19/23 17:46	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/19/23 17:46	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/19/23 17:46	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/19/23 17:46	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-444028/8
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			08/19/23 17:46	1
Trichloroethene	ND		5.0	1.6	ug/Kg			08/19/23 17:46	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/19/23 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			08/19/23 17:46	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/19/23 17:46	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/19/23 17:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*		*08/19/23 17:46*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*		*08/19/23 17:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*		*08/19/23 17:46*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*		*08/19/23 17:46*	*1*

Lab Sample ID: LCS 180-444028/4
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	80.0	30.1		ug/Kg		38	23 - 170
Benzene	40.0	43.6		ug/Kg		109	77 - 120
Bromoform	40.0	34.9		ug/Kg		87	37 - 147
Bromomethane	40.0	29.4		ug/Kg		74	47 - 149
2-Butanone (MEK)	80.0	36.8		ug/Kg		46	39 - 157
Carbon disulfide	40.0	45.5		ug/Kg		114	40 - 156
Carbon tetrachloride	40.0	41.7		ug/Kg		104	73 - 130
Chlorobenzene	40.0	38.5		ug/Kg		96	79 - 122
Chlorobromomethane	40.0	39.9		ug/Kg		100	64 - 128
Chlorodibromomethane	40.0	36.8		ug/Kg		92	60 - 134
Chloroethane	40.0	27.0		ug/Kg		67	37 - 159
Chloroform	40.0	44.4		ug/Kg		111	73 - 126
Chloromethane	40.0	51.3		ug/Kg		128	46 - 151
cis-1,2-Dichloroethene	40.0	41.4		ug/Kg		103	77 - 118
cis-1,3-Dichloropropene	40.0	42.2		ug/Kg		105	73 - 127
Cyclohexane	40.0	41.9		ug/Kg		105	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	37.5		ug/Kg		94	30 - 163
1,2-Dibromoethane	40.0	40.0		ug/Kg		100	59 - 137
1,2-Dichlorobenzene	40.0	40.1		ug/Kg		100	76 - 120
1,3-Dichlorobenzene	40.0	40.3		ug/Kg		101	77 - 121
1,4-Dichlorobenzene	40.0	40.0		ug/Kg		100	79 - 120
Dichlorobromomethane	40.0	42.6		ug/Kg		106	75 - 123
Dichlorodifluoromethane	40.0	50.4		ug/Kg		126	26 - 149
1,1-Dichloroethane	40.0	43.7		ug/Kg		109	73 - 124
1,2-Dichloroethane	40.0	43.4		ug/Kg		108	64 - 140
1,1-Dichloroethene	40.0	43.2		ug/Kg		108	55 - 136
1,2-Dichloroethene, Total	80.0	84.8		ug/Kg		106	77 - 119
1,2-Dichloropropane	40.0	42.2		ug/Kg		105	77 - 119
1,4-Dioxane	800	923	J	ug/Kg		115	18 - 166
Ethylbenzene	40.0	40.3		ug/Kg		101	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-444028/4
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	80.0	27.5	*-	ug/Kg		34	42 - 152
Isopropylbenzene	40.0	40.7		ug/Kg		102	70 - 125
Methyl acetate	80.0	117		ug/Kg		146	20 - 170
Methylcyclohexane	40.0	41.1		ug/Kg		103	70 - 125
Methylene Chloride	40.0	47.5		ug/Kg		119	67 - 131
4-Methyl-2-pentanone (MIBK)	80.0	36.0	*-	ug/Kg		45	51 - 147
Methyl tert-butyl ether	40.0	40.8		ug/Kg		102	58 - 132
m-Xylene & p-Xylene	40.0	40.5		ug/Kg		101	77 - 120
o-Xylene	40.0	39.5		ug/Kg		99	78 - 118
Styrene	40.0	39.6		ug/Kg		99	80 - 120
1,1,2,2-Tetrachloroethane	40.0	39.2		ug/Kg		98	36 - 170
Tetrachloroethene	40.0	39.5		ug/Kg		99	71 - 121
Toluene	40.0	41.4		ug/Kg		103	76 - 120
trans-1,2-Dichloroethene	40.0	43.5		ug/Kg		109	75 - 122
trans-1,3-Dichloropropene	40.0	40.7		ug/Kg		102	68 - 133
1,2,3-Trichlorobenzene	40.0	40.5		ug/Kg		101	29 - 166
1,2,4-Trichlorobenzene	40.0	38.7		ug/Kg		97	22 - 170
1,1,1-Trichloroethane	40.0	42.8		ug/Kg		107	72 - 134
1,1,2-Trichloroethane	40.0	40.8		ug/Kg		102	66 - 128
Trichloroethene	40.0	39.6		ug/Kg		99	69 - 118
Trichlorofluoromethane	40.0	45.8		ug/Kg		115	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	42.8		ug/Kg		107	59 - 135
Vinyl chloride	40.0	44.8		ug/Kg		112	64 - 134
Xylenes, Total	80.0	80.0		ug/Kg		100	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*108*		*67 - 134*

Lab Sample ID: LCSD 180-444028/7
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	32.4		ug/Kg		81	23 - 170	7	35
Benzene	40.0	42.5		ug/Kg		106	77 - 120	3	20
Bromoform	40.0	34.4		ug/Kg		86	37 - 147	1	23
Bromomethane	40.0	27.9		ug/Kg		70	47 - 149	5	25
2-Butanone (MEK)	40.0	34.8		ug/Kg		87	39 - 157	6	33
Carbon disulfide	40.0	44.1		ug/Kg		110	40 - 156	3	25
Carbon tetrachloride	40.0	40.2		ug/Kg		100	73 - 130	4	21
Chlorobenzene	40.0	37.6		ug/Kg		94	79 - 122	2	20
Chlorobromomethane	40.0	38.9		ug/Kg		97	64 - 128	3	20
Chlorodibromomethane	40.0	36.0		ug/Kg		90	60 - 134	2	40
Chloroethane	40.0	25.6		ug/Kg		64	37 - 159	5	25
Chloroform	40.0	43.4		ug/Kg		109	73 - 126	2	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-444028/7
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	49.2		ug/Kg		123	46 - 151	4	33
cis-1,2-Dichloroethene			40.0	41.3		ug/Kg		103	77 - 118	0	20
cis-1,3-Dichloropropene			40.0	40.6		ug/Kg		101	73 - 127	4	20
Cyclohexane			40.0	40.3		ug/Kg		101	63 - 143	4	25
1,2-Dibromo-3-Chloropropane			40.0	35.8		ug/Kg		89	30 - 163	5	34
1,2-Dibromoethane			40.0	39.7		ug/Kg		99	59 - 137	1	20
1,2-Dichlorobenzene			40.0	38.3		ug/Kg		96	76 - 120	4	20
1,3-Dichlorobenzene			40.0	39.3		ug/Kg		98	77 - 121	3	20
1,4-Dichlorobenzene			40.0	38.6		ug/Kg		97	79 - 120	3	20
Dichlorobromomethane			40.0	42.0		ug/Kg		105	75 - 123	1	20
Dichlorodifluoromethane			40.0	48.4		ug/Kg		121	26 - 149	4	24
1,1-Dichloroethane			40.0	42.5		ug/Kg		106	73 - 124	3	20
1,2-Dichloroethane			40.0	41.2		ug/Kg		103	64 - 140	5	20
1,1-Dichloroethene			40.0	41.8		ug/Kg		105	55 - 136	3	21
1,2-Dichloroethene, Total			80.0	84.4		ug/Kg		105	77 - 119	1	20
1,2-Dichloropropane			40.0	40.8		ug/Kg		102	77 - 119	3	20
1,4-Dioxane			800	790	J	ug/Kg		99	18 - 166	16	40
Ethylbenzene			40.0	39.5		ug/Kg		99	79 - 119	2	20
2-Hexanone			40.0	28.6		ug/Kg		72	42 - 152	4	30
Isopropylbenzene			40.0	40.3		ug/Kg		101	70 - 125	1	21
Methyl acetate			80.0	115		ug/Kg		144	20 - 170	1	33
Methylcyclohexane			40.0	39.8		ug/Kg		100	70 - 125	3	22
Methylene Chloride			40.0	46.0		ug/Kg		115	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	35.1		ug/Kg		88	51 - 147	3	27
Methyl tert-butyl ether			40.0	40.4		ug/Kg		101	58 - 132	1	24
m-Xylene & p-Xylene			40.0	39.3		ug/Kg		98	77 - 120	3	20
o-Xylene			40.0	39.1		ug/Kg		98	78 - 118	1	20
Styrene			40.0	38.5		ug/Kg		96	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	39.0		ug/Kg		97	36 - 170	0	23
Tetrachloroethene			40.0	37.7		ug/Kg		94	71 - 121	4	21
Toluene			40.0	41.0		ug/Kg		103	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	43.1		ug/Kg		108	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	40.4		ug/Kg		101	68 - 133	1	20
1,2,3-Trichlorobenzene			40.0	39.7		ug/Kg		99	29 - 166	2	40
1,2,4-Trichlorobenzene			40.0	39.3		ug/Kg		98	22 - 170	2	29
1,1,1-Trichloroethane			40.0	42.1		ug/Kg		105	72 - 134	2	20
1,1,2-Trichloroethane			40.0	40.0		ug/Kg		100	66 - 128	2	21
Trichloroethene			40.0	37.7		ug/Kg		94	69 - 118	5	20
Trichlorofluoromethane			40.0	44.3		ug/Kg		111	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	40.9		ug/Kg		102	59 - 135	5	28
Vinyl chloride			40.0	43.5		ug/Kg		109	64 - 134	3	23
Xylenes, Total			80.0	78.4		ug/Kg		98	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*95*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-444028/7
Matrix: Solid
Analysis Batch: 444028

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		67 - 134

Lab Sample ID: MB 180-444105/7
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			08/21/23 14:29	1
Benzene	ND		5.0	1.4	ug/Kg			08/21/23 14:29	1
Bromoform	ND		5.0	2.5	ug/Kg			08/21/23 14:29	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/21/23 14:29	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			08/21/23 14:29	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/21/23 14:29	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/21/23 14:29	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			08/21/23 14:29	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/21/23 14:29	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/21/23 14:29	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/21/23 14:29	1
Chloroform	ND		5.0	3.4	ug/Kg			08/21/23 14:29	1
Chloromethane	ND		5.0	2.0	ug/Kg			08/21/23 14:29	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			08/21/23 14:29	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/21/23 14:29	1
Cyclohexane	ND		5.0	2.4	ug/Kg			08/21/23 14:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/21/23 14:29	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			08/21/23 14:29	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			08/21/23 14:29	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/21/23 14:29	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			08/21/23 14:29	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/21/23 14:29	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			08/21/23 14:29	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			08/21/23 14:29	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			08/21/23 14:29	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			08/21/23 14:29	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/21/23 14:29	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			08/21/23 14:29	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/21/23 14:29	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			08/21/23 14:29	1
2-Hexanone	ND		25	1.6	ug/Kg			08/21/23 14:29	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			08/21/23 14:29	1
Methyl acetate	ND		25	7.4	ug/Kg			08/21/23 14:29	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			08/21/23 14:29	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/21/23 14:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			08/21/23 14:29	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			08/21/23 14:29	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			08/21/23 14:29	1
o-Xylene	ND		5.0	2.0	ug/Kg			08/21/23 14:29	1
Styrene	ND		5.0	1.5	ug/Kg			08/21/23 14:29	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			08/21/23 14:29	1

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-161130-1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-444105/7
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	2.0	ug/Kg			08/21/23 14:29	1
Toluene	ND		5.0	1.4	ug/Kg			08/21/23 14:29	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			08/21/23 14:29	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/21/23 14:29	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/21/23 14:29	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/21/23 14:29	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/21/23 14:29	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			08/21/23 14:29	1
Trichloroethene	ND		5.0	1.6	ug/Kg			08/21/23 14:29	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/21/23 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			08/21/23 14:29	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/21/23 14:29	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/21/23 14:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*		*08/21/23 14:29*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*		*08/21/23 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*		*08/21/23 14:29*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*		*08/21/23 14:29*	*1*

Lab Sample ID: LCS 180-444105/3
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	30.5		ug/Kg		76	23 - 170
Benzene	40.0	42.8		ug/Kg		107	77 - 120
Bromoform	40.0	35.8		ug/Kg		90	37 - 147
Bromomethane	40.0	36.7		ug/Kg		92	47 - 149
2-Butanone (MEK)	40.0	31.3		ug/Kg		78	39 - 157
Carbon disulfide	40.0	45.8		ug/Kg		115	40 - 156
Carbon tetrachloride	40.0	41.1		ug/Kg		103	73 - 130
Chlorobenzene	40.0	38.2		ug/Kg		95	79 - 122
Chlorobromomethane	40.0	39.6		ug/Kg		99	64 - 128
Chlorodibromomethane	40.0	38.4		ug/Kg		96	60 - 134
Chloroethane	40.0	28.6		ug/Kg		71	37 - 159
Chloroform	40.0	44.2		ug/Kg		111	73 - 126
Chloromethane	40.0	55.0		ug/Kg		137	46 - 151
cis-1,2-Dichloroethene	40.0	41.1		ug/Kg		103	77 - 118
cis-1,3-Dichloropropene	40.0	41.3		ug/Kg		103	73 - 127
Cyclohexane	40.0	39.7		ug/Kg		99	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	39.2		ug/Kg		98	30 - 163
1,2-Dibromoethane	40.0	39.3		ug/Kg		98	59 - 137
1,2-Dichlorobenzene	40.0	40.0		ug/Kg		100	76 - 120
1,3-Dichlorobenzene	40.0	39.7		ug/Kg		99	77 - 121
1,4-Dichlorobenzene	40.0	38.4		ug/Kg		96	79 - 120
Dichlorobromomethane	40.0	42.8		ug/Kg		107	75 - 123
Dichlorodifluoromethane	40.0	51.9		ug/Kg		130	26 - 149

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-444105/3
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	40.0	42.9		ug/Kg		107	73 - 124
1,2-Dichloroethane	40.0	42.6		ug/Kg		107	64 - 140
1,1-Dichloroethene	40.0	40.7		ug/Kg		102	55 - 136
1,2-Dichloroethene, Total	80.0	83.1		ug/Kg		104	77 - 119
1,2-Dichloropropane	40.0	42.0		ug/Kg		105	77 - 119
1,4-Dioxane	800	890	J	ug/Kg		111	18 - 166
Ethylbenzene	40.0	39.5		ug/Kg		99	79 - 119
2-Hexanone	40.0	27.5		ug/Kg		69	42 - 152
Isopropylbenzene	40.0	40.2		ug/Kg		101	70 - 125
Methyl acetate	80.0	119		ug/Kg		149	20 - 170
Methylcyclohexane	40.0	39.9		ug/Kg		100	70 - 125
Methylene Chloride	40.0	50.7		ug/Kg		127	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.9		ug/Kg		87	51 - 147
Methyl tert-butyl ether	40.0	39.3		ug/Kg		98	58 - 132
m-Xylene & p-Xylene	40.0	39.5		ug/Kg		99	77 - 120
o-Xylene	40.0	39.2		ug/Kg		98	78 - 118
Styrene	40.0	39.3		ug/Kg		98	80 - 120
1,1,2,2-Tetrachloroethane	40.0	40.0		ug/Kg		100	36 - 170
Tetrachloroethene	40.0	37.7		ug/Kg		94	71 - 121
Toluene	40.0	40.3		ug/Kg		101	76 - 120
trans-1,2-Dichloroethene	40.0	42.0		ug/Kg		105	75 - 122
trans-1,3-Dichloropropene	40.0	40.0		ug/Kg		100	68 - 133
1,2,3-Trichlorobenzene	40.0	38.7		ug/Kg		97	29 - 166
1,2,4-Trichlorobenzene	40.0	37.7		ug/Kg		94	22 - 170
1,1,1-Trichloroethane	40.0	41.1		ug/Kg		103	72 - 134
1,1,2-Trichloroethane	40.0	40.4		ug/Kg		101	66 - 128
Trichloroethene	40.0	38.5		ug/Kg		96	69 - 118
Trichlorofluoromethane	40.0	45.9		ug/Kg		115	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	39.5		ug/Kg		99	59 - 135
Vinyl chloride	40.0	47.8		ug/Kg		119	64 - 134
Xylenes, Total	80.0	78.7		ug/Kg		98	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Lab Sample ID: LCSD 180-444105/4
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	80.0	35.8		ug/Kg		45	23 - 170	16	35
Benzene	40.0	43.9		ug/Kg		110	77 - 120	3	20
Bromoform	40.0	39.8		ug/Kg		100	37 - 147	11	23
Bromomethane	40.0	37.6		ug/Kg		94	47 - 149	2	25
2-Butanone (MEK)	80.0	36.1		ug/Kg		45	39 - 157	14	33

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-444105/4
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide			40.0	45.4		ug/Kg		113	40 - 156	1	25
Carbon tetrachloride			40.0	41.4		ug/Kg		103	73 - 130	1	21
Chlorobenzene			40.0	38.5		ug/Kg		96	79 - 122	1	20
Chlorobromomethane			40.0	42.5		ug/Kg		106	64 - 128	7	20
Chlorodibromomethane			40.0	40.5		ug/Kg		101	60 - 134	5	40
Chloroethane			40.0	31.0		ug/Kg		78	37 - 159	8	25
Chloroform			40.0	45.5		ug/Kg		114	73 - 126	3	20
Chloromethane			40.0	55.2		ug/Kg		138	46 - 151	0	33
cis-1,2-Dichloroethene			40.0	41.9		ug/Kg		105	77 - 118	2	20
cis-1,3-Dichloropropene			40.0	44.0		ug/Kg		110	73 - 127	6	20
Cyclohexane			40.0	41.0		ug/Kg		102	63 - 143	3	25
1,2-Dibromo-3-Chloropropane			40.0	43.4		ug/Kg		108	30 - 163	10	34
1,2-Dibromoethane			40.0	42.5		ug/Kg		106	59 - 137	8	20
1,2-Dichlorobenzene			40.0	40.8		ug/Kg		102	76 - 120	2	20
1,3-Dichlorobenzene			40.0	40.4		ug/Kg		101	77 - 121	2	20
1,4-Dichlorobenzene			40.0	39.8		ug/Kg		100	79 - 120	4	20
Dichlorobromomethane			40.0	45.8		ug/Kg		115	75 - 123	7	20
Dichlorodifluoromethane			40.0	52.4		ug/Kg		131	26 - 149	1	24
1,1-Dichloroethane			40.0	44.2		ug/Kg		110	73 - 124	3	20
1,2-Dichloroethane			40.0	45.5		ug/Kg		114	64 - 140	7	20
1,1-Dichloroethene			40.0	43.9		ug/Kg		110	55 - 136	8	21
1,2-Dichloroethene, Total			80.0	83.9		ug/Kg		105	77 - 119	1	20
1,2-Dichloropropane			40.0	44.1		ug/Kg		110	77 - 119	5	20
1,4-Dioxane			800	950	J	ug/Kg		119	18 - 166	6	40
Ethylbenzene			40.0	39.7		ug/Kg		99	79 - 119	0	20
2-Hexanone			80.0	32.8	*-	ug/Kg		41	42 - 152	18	30
Isopropylbenzene			40.0	40.2		ug/Kg		100	70 - 125	0	21
Methyl acetate			80.0	134		ug/Kg		167	20 - 170	12	33
Methylcyclohexane			40.0	40.2		ug/Kg		100	70 - 125	1	22
Methylene Chloride			40.0	52.5		ug/Kg		131	67 - 131	4	32
4-Methyl-2-pentanone (MIBK)			80.0	39.8	*-	ug/Kg		50	51 - 147	13	27
Methyl tert-butyl ether			40.0	44.0		ug/Kg		110	58 - 132	11	24
m-Xylene & p-Xylene			40.0	39.7		ug/Kg		99	77 - 120	1	20
o-Xylene			40.0	39.8		ug/Kg		100	78 - 118	2	20
Styrene			40.0	40.7		ug/Kg		102	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	41.7		ug/Kg		104	36 - 170	4	23
Tetrachloroethene			40.0	38.3		ug/Kg		96	71 - 121	2	21
Toluene			40.0	40.8		ug/Kg		102	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	42.0		ug/Kg		105	75 - 122	0	20
trans-1,3-Dichloropropene			40.0	43.3		ug/Kg		108	68 - 133	8	20
1,2,3-Trichlorobenzene			40.0	41.1		ug/Kg		103	29 - 166	6	40
1,2,4-Trichlorobenzene			40.0	39.9		ug/Kg		100	22 - 170	6	29
1,1,1-Trichloroethane			40.0	41.9		ug/Kg		105	72 - 134	2	20
1,1,2-Trichloroethane			40.0	43.7		ug/Kg		109	66 - 128	8	21
Trichloroethene			40.0	39.6		ug/Kg		99	69 - 118	3	20
Trichlorofluoromethane			40.0	45.7		ug/Kg		114	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	41.3		ug/Kg		103	59 - 135	5	28
Vinyl chloride			40.0	49.0		ug/Kg		122	64 - 134	2	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-444105/4
Matrix: Solid
Analysis Batch: 444105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total			80.0	79.5		ug/Kg		99	78 - 118	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*
Toluene-d8 (Surr)	*107*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-444893/1-A
Matrix: Solid
Analysis Batch: 444947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Acenaphthylene	ND		67	15	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Acetophenone	ND		670	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Anthracene	ND		67	17	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Atrazine	ND		670	150	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Benzaldehyde	ND		670	41	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Benzo[a]anthracene	ND		67	30	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Benzo[a]pyrene	ND		67	29	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
1,1'-Biphenyl	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Caprolactam	ND		1700	220	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Carbazole	ND		67	16	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4-Chloroaniline	ND		330	88	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2-Chloronaphthalene	ND		67	15	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2-Chlorophenol	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Chrysene	ND		67	37	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Dibenzofuran	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Diethyl phthalate	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Dimethyl phthalate	ND		330	130	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		08/29/23 06:43	08/29/23 12:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-444893/1-A
Matrix: Solid
Analysis Batch: 444947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
1,4-Dioxane	ND		670	100	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Fluoranthene	ND		67	18	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Fluorene	ND		67	13	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Hexachlorobenzene	ND		67	24	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Hexachlorobutadiene	ND		67	20	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Hexachloroethane	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Isophorone	ND		330	130	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2-Methylnaphthalene	ND		67	16	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2-Methylphenol	ND		330	96	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Naphthalene	ND		67	13	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2-Nitroaniline	ND		1700	150	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
3-Nitroaniline	ND		1700	85	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4-Nitroaniline	ND		1700	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Nitrobenzene	ND		670	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2-Nitrophenol	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
4-Nitrophenol	ND		1700	230	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Pentachlorophenol	ND		1700	540	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Phenanthrene	ND		67	18	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Phenol	ND		330	100	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
Pyrene	ND		67	16	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		08/29/23 06:43	08/29/23 12:07	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		08/29/23 06:43	08/29/23 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*08/29/23 06:43*	*08/29/23 12:07*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*08/29/23 06:43*	*08/29/23 12:07*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*08/29/23 06:43*	*08/29/23 12:07*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*08/29/23 06:43*	*08/29/23 12:07*	*1*
Terphenyl-d14 (Surr)	*58*		*39 - 105*	*08/29/23 06:43*	*08/29/23 12:07*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*08/29/23 06:43*	*08/29/23 12:07*	*1*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-444893/2-A
Matrix: Solid
Analysis Batch: 444947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4410		ug/Kg		66	50 - 100
Acenaphthylene	6670	4690		ug/Kg		70	52 - 100
Acetophenone	6670	4110		ug/Kg		62	48 - 100
Anthracene	6670	4310		ug/Kg		65	53 - 100
Atrazine	6670	3810		ug/Kg		57	49 - 103
Benzaldehyde	6670	4750		ug/Kg		71	23 - 105
Benzo[a]anthracene	6670	4230		ug/Kg		63	51 - 100
Benzo[a]pyrene	6670	4430		ug/Kg		67	51 - 100
Benzo[b]fluoranthene	6670	3900		ug/Kg		58	48 - 100
Benzo[g,h,i]perylene	6670	4390		ug/Kg		66	48 - 105
Benzo[k]fluoranthene	6670	3850		ug/Kg		58	19 - 100
1,1'-Biphenyl	6670	4330		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	3970		ug/Kg		60	49 - 100
Bis(2-chloroethyl)ether	6670	3710		ug/Kg		56	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4240		ug/Kg		64	53 - 107
4-Bromophenyl phenyl ether	6670	4620		ug/Kg		69	52 - 101
Butyl benzyl phthalate	6670	4310		ug/Kg		65	52 - 107
Caprolactam	6670	5010		ug/Kg		75	48 - 111
Carbazole	6670	4250		ug/Kg		64	53 - 100
4-Chloroaniline	6670	4230		ug/Kg		63	47 - 100
4-Chloro-3-methylphenol	6670	4630		ug/Kg		69	49 - 106
2-Chloronaphthalene	6670	4100		ug/Kg		61	51 - 100
2-Chlorophenol	6670	4320		ug/Kg		65	51 - 100
4-Chlorophenyl phenyl ether	6670	4550		ug/Kg		68	52 - 100
Chrysene	6670	4320		ug/Kg		65	50 - 100
Dibenz(a,h)anthracene	6670	4620		ug/Kg		69	50 - 107
Dibenzofuran	6670	4320		ug/Kg		65	52 - 100
3,3'-Dichlorobenzidine	6670	4540		ug/Kg		68	43 - 100
2,4-Dichlorophenol	6670	4750		ug/Kg		71	53 - 101
Diethyl phthalate	6670	4610		ug/Kg		69	48 - 104
2,4-Dimethylphenol	6670	3600		ug/Kg		54	51 - 101
Dimethyl phthalate	6670	4420		ug/Kg		66	53 - 100
Di-n-butyl phthalate	6670	4330		ug/Kg		65	57 - 102
4,6-Dinitro-2-methylphenol	13300	10300		ug/Kg		77	51 - 100
2,4-Dinitrophenol	13300	10500		ug/Kg		79	33 - 101
2,4-Dinitrotoluene	6670	4990		ug/Kg		75	54 - 104
2,6-Dinitrotoluene	6670	4520		ug/Kg		68	51 - 106
Di-n-octyl phthalate	6670	3500		ug/Kg		53	41 - 106
1,4-Dioxane	6670	4190		ug/Kg		63	25 - 125
Fluoranthene	6670	4360		ug/Kg		65	55 - 100
Fluorene	6670	4300		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4560		ug/Kg		68	49 - 100
Hexachlorobutadiene	6670	4790		ug/Kg		72	38 - 107
Hexachlorocyclopentadiene	6670	3400		ug/Kg		51	33 - 117
Hexachloroethane	6670	4210		ug/Kg		63	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4460		ug/Kg		67	51 - 103
Isophorone	6670	4270		ug/Kg		64	48 - 105
2-Methylnaphthalene	6670	4600		ug/Kg		69	53 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-444893/2-A
Matrix: Solid
Analysis Batch: 444947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylphenol	6670	3990		ug/Kg		60	50 - 101
Methylphenol, 3 & 4	6670	4230		ug/Kg		63	50 - 103
Naphthalene	6670	4280		ug/Kg		64	51 - 100
2-Nitroaniline	6670	4390		ug/Kg		66	42 - 123
3-Nitroaniline	6670	4660		ug/Kg		70	50 - 103
4-Nitroaniline	6670	4590		ug/Kg		69	52 - 103
Nitrobenzene	6670	4080		ug/Kg		61	44 - 108
2-Nitrophenol	6670	4810		ug/Kg		72	55 - 107
4-Nitrophenol	13300	9190		ug/Kg		69	30 - 134
N-Nitrosodi-n-propylamine	6670	4250		ug/Kg		64	45 - 107
N-Nitrosodiphenylamine	6670	4210		ug/Kg		63	52 - 100
2,2'-oxybis[1-chloropropane]	6670	3930		ug/Kg		59	30 - 113
Pentachlorophenol	13300	9350		ug/Kg		70	42 - 110
Phenanthrene	6670	4170		ug/Kg		63	53 - 100
Phenol	6670	4060		ug/Kg		61	49 - 100
Pyrene	6670	4180		ug/Kg		63	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4370		ug/Kg		66	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4810		ug/Kg		72	47 - 104
2,4,5-Trichlorophenol	6670	4450		ug/Kg		67	50 - 104
2,4,6-Trichlorophenol	6670	4660		ug/Kg		70	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*64*		*48 - 105*
Nitrobenzene-d5 (Surr)	*62*		*46 - 105*
Phenol-d5 (Surr)	*61*		*46 - 105*
Terphenyl-d14 (Surr)	*59*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-444206/1-A
Matrix: Solid
Analysis Batch: 444329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1221	ND		17	5.9	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1232	ND		17	4.1	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1242	ND		17	2.4	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1248	ND		17	4.0	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1254	ND		17	5.0	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1260	ND		17	4.7	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1262	ND		17	5.9	ug/Kg		08/22/23 05:51	08/23/23 15:32	1
PCB-1268	ND		17	2.2	ug/Kg		08/22/23 05:51	08/23/23 15:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*08/22/23 05:51*	*08/23/23 15:32*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-444206/1-A
Matrix: Solid
Analysis Batch: 444329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444206

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	101		63 - 138	08/22/23 05:51	08/23/23 15:32	1
Tetrachloro-m-xylene (Surr)	78		55 - 135	08/22/23 05:51	08/23/23 15:32	1
Tetrachloro-m-xylene (Surr)	78		55 - 135	08/22/23 05:51	08/23/23 15:32	1

Lab Sample ID: LCS 180-444206/2-A
Matrix: Solid
Analysis Batch: 444329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444206

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1090		ug/Kg		82	43 - 136		
PCB-1260			1330	1190		ug/Kg		89	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	113		63 - 138
DCB Decachlorobiphenyl (Surr)	118		63 - 138
Tetrachloro-m-xylene (Surr)	97		55 - 135
Tetrachloro-m-xylene (Surr)	93		55 - 135

Lab Sample ID: LCSD 180-444206/3-A
Matrix: Solid
Analysis Batch: 444329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444206

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			1330	1090		ug/Kg		81	43 - 136	1	40
PCB-1260			1330	1120		ug/Kg		84	55 - 128	6	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	113		63 - 138
DCB Decachlorobiphenyl (Surr)	109		63 - 138
Tetrachloro-m-xylene (Surr)	97		55 - 135
Tetrachloro-m-xylene (Surr)	94		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-444215/1-A
Matrix: Solid
Analysis Batch: 445748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Antimony	ND		1.0	0.30	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Arsenic	ND		1.0	0.63	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Barium	ND		20	3.6	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Cadmium	ND		0.50	0.073	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Calcium	ND		500	65	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Chromium	ND		0.50	0.46	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Cobalt	ND		5.0	0.70	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Copper	ND		2.5	1.5	mg/Kg		08/23/23 08:25	09/07/23 04:51	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-444215/1-A
Matrix: Solid
Analysis Batch: 445748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.87	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Magnesium	ND		500	55	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Nickel	ND		4.0	0.50	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Potassium	ND		500	85	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Selenium	ND		1.0	0.46	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Silver	ND		0.50	0.10	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Sodium	ND		500	51	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Thallium	ND		2.0	0.28	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Vanadium	ND		5.0	0.79	mg/Kg		08/23/23 08:25	09/07/23 04:51	1
Zinc	ND		2.0	1.5	mg/Kg		08/23/23 08:25	09/07/23 04:51	1

Lab Sample ID: MB 180-444215/1-A
Matrix: Solid
Analysis Batch: 445980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.40	0.11	mg/Kg		08/23/23 08:25	09/08/23 19:19	1
Iron	ND		10	9.7	mg/Kg		08/23/23 08:25	09/08/23 19:19	1
Manganese	ND		1.5	0.28	mg/Kg		08/23/23 08:25	09/08/23 19:19	1

Lab Sample ID: LCS 180-444215/2-A
Matrix: Solid
Analysis Batch: 445748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	481	456		mg/Kg		95	80 - 120
Antimony	24.0	23.2		mg/Kg		96	80 - 120
Arsenic	96.2	90.9		mg/Kg		95	80 - 120
Barium	96.2	90.7		mg/Kg		94	80 - 120
Cadmium	48.1	45.4		mg/Kg		94	80 - 120
Calcium	2400	2240		mg/Kg		93	80 - 120
Chromium	48.1	46.2		mg/Kg		96	80 - 120
Cobalt	48.1	46.0		mg/Kg		96	80 - 120
Copper	48.1	47.3		mg/Kg		98	80 - 120
Lead	48.1	47.0		mg/Kg		98	80 - 120
Magnesium	2400	2180		mg/Kg		90	80 - 120
Nickel	48.1	46.9		mg/Kg		97	80 - 120
Potassium	2400	2300		mg/Kg		96	80 - 120
Selenium	96.2	92.9		mg/Kg		97	80 - 120
Silver	24.0	22.6		mg/Kg		94	80 - 120
Sodium	2400	2460		mg/Kg		102	80 - 120
Thallium	96.2	94.1		mg/Kg		98	80 - 120
Vanadium	48.1	47.3		mg/Kg		98	80 - 120
Zinc	24.0	22.0		mg/Kg		91	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-444215/2-A
Matrix: Solid
Analysis Batch: 445980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	48.1	44.0		mg/Kg		91	80 - 120
Iron	481	445		mg/Kg		93	80 - 120
Manganese	48.1	42.2		mg/Kg		88	80 - 120

Lab Sample ID: LCSD 180-444215/3-A
Matrix: Solid
Analysis Batch: 445748

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	490	460		mg/Kg		94	80 - 120	1	20
Antimony	24.5	24.6		mg/Kg		100	80 - 120	6	20
Arsenic	98.0	95.3		mg/Kg		97	80 - 120	5	20
Barium	98.0	92.5		mg/Kg		94	80 - 120	2	20
Cadmium	49.0	47.5		mg/Kg		97	80 - 120	5	20
Calcium	2450	2260		mg/Kg		92	80 - 120	1	20
Chromium	49.0	48.5		mg/Kg		99	80 - 120	5	20
Cobalt	49.0	48.2		mg/Kg		98	80 - 120	4	20
Copper	49.0	49.6		mg/Kg		101	80 - 120	5	20
Lead	49.0	49.0		mg/Kg		100	80 - 120	4	20
Magnesium	2450	2200		mg/Kg		90	80 - 120	1	20
Nickel	49.0	49.1		mg/Kg		100	80 - 120	5	20
Potassium	2450	2340		mg/Kg		95	80 - 120	2	20
Selenium	98.0	97.7		mg/Kg		100	80 - 120	5	20
Silver	24.5	23.5		mg/Kg		96	80 - 120	4	20
Sodium	2450	2490		mg/Kg		102	80 - 120	1	20
Thallium	98.0	98.3		mg/Kg		100	80 - 120	4	20
Vanadium	49.0	49.7		mg/Kg		101	80 - 120	5	20
Zinc	24.5	23.3		mg/Kg		95	80 - 120	6	20

Lab Sample ID: LCSD 180-444215/3-A
Matrix: Solid
Analysis Batch: 445980

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	49.0	46.2		mg/Kg		94	80 - 120	5	20
Iron	490	470		mg/Kg		96	80 - 120	5	20
Manganese	49.0	44.6		mg/Kg		91	80 - 120	6	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-444154/1-A
Matrix: Solid
Analysis Batch: 444452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		08/22/23 08:00	08/23/23 11:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-444154/2-A
Matrix: Solid
Analysis Batch: 444452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.410		mg/Kg		98	80 - 120

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161130-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 444028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	EPA 8260C	444038
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 8260C	444038
MB 180-444028/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-444028/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-444028/7	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 444038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	5035	
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	5035	

Analysis Batch: 444105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	EPA 8260C	444115
MB 180-444105/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-444105/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-444105/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 444115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 444893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	3541	
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	3541	
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3541	
MB 180-444893/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-444893/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 444928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	EPA 8270D	444893
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	EPA 8270D	444893

Analysis Batch: 444947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-444893/1-A	Method Blank	Total/NA	Solid	EPA 8270D	444893
LCS 180-444893/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	444893

Analysis Batch: 445082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 8270D	444893

GC Semi VOA

Prep Batch: 444206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	3541	
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 444206 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3541	
MB 180-444206/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-444206/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-444206/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 444329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	EPA 8082A	444335
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	EPA 8082A	444335
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 8082A	444335
MB 180-444206/1-A	Method Blank	Total/NA	Solid	EPA 8082A	444206
LCS 180-444206/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	444206
LCSD 180-444206/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8082A	444206

Cleanup Batch: 444334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	3665A	444206
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	3665A	444206
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3665A	444206

Cleanup Batch: 444335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	3660B	444334
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	3660B	444334
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3660B	444334

Metals

Prep Batch: 444154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	7471B	
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	7471B	
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	7471B	
MB 180-444154/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-444154/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 444215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	3050B	
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	3050B	
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	3050B	
MB 180-444215/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-444215/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 180-444215/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 444452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	EPA 7471B	444154
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	EPA 7471B	444154
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 7471B	444154
MB 180-444154/1-A	Method Blank	Total/NA	Solid	EPA 7471B	444154

Metals (Continued)

Analysis Batch: 444452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-444154/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	444154

Analysis Batch: 445748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	EPA 6010C	444215
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	EPA 6010C	444215
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 6010C	444215
MB 180-444215/1-A	Method Blank	Total/NA	Solid	EPA 6010C	444215
LCS 180-444215/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	444215
LCSD 180-444215/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 6010C	444215

Analysis Batch: 445980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	EPA 6010C	444215
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	EPA 6010C	444215
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	EPA 6010C	444215
MB 180-444215/1-A	Method Blank	Total/NA	Solid	EPA 6010C	444215
LCS 180-444215/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	444215
LCSD 180-444215/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 6010C	444215

General Chemistry

Analysis Batch: 444462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161130-1	SSHS-ISMP-NAF-UT-S95	Total/NA	Solid	2540G	
180-161130-2	SSHS-ISMP-NAF-UT-S96	Total/NA	Solid	2540G	
180-161130-3	SSHS-ISMP-NAF-UT-S7	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC

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Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
ISMP-NAF-UT-S95	8/18/23	0945	G	S	N	N	X	X	X	X			6	
ISMP-NAF-UT-S96	8/18/23	0950	G	S	N	N	X	X	X	X			6	
ISMP-NAF-UT-S7	8/18/23	0955	G	S	N	N	X	X	X	X	X	X	8	
add prefix of "SSHS-" to all samples as per Miranda Stelmach. D Dunlap 8/21/23														

180-161130 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Roxy WESS	8-18-2023 1200	Geosyntec		8-19-23 0910	FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

9/11/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC

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Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	PO #: MN0832I
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	Project #: 18013464
Project Name: Former Sperry Remington Site	SSOW#:
Site:	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
ISMP-NAF-UT-S95	8/18/23	0945	G	S	N	N	X	X	X	X			6	
ISMP-NAF-UT-S96	8/18/23	0950	G	S	N	N	X	X	X	X			6	
ISMP-NAF-UT-S7	8/18/23	0955	G	S	N	N	X	X	X	X	X	X	8	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

180-161130 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Abby Wess	Date/Time: 8/18/23 12:00 12pm	Company: Geosyntec	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

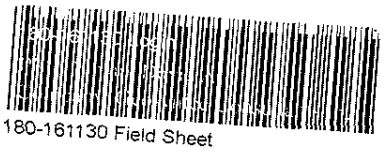
Received by:	Date/Time: 8/19/23 0970	Company EST SAC	
Received by:	Date/Time:	Company	
Received by:	Date/Time:	Company	

Custody Seals Intact: ∆ Yes ∆ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.8

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes



Tracking # 7730 6245 5261

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID WG Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal 2212293

Cooler ID _____

Temp Observed 3.8 °C Corrected 3.9 °C
From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials VM Date 8/19/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SD Date 8/21/23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials SD Date 8/21/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161130-1

Login Number: 161130
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/15/2023 12:11:45 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161938-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-161938-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161938-2

Comments
Notation was made to the COC regarding changes to the field duplicate sample IDs.

Receipt
The samples were received on 9/7/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.4º C, 2.1º C, 2.4º C, 2.7º C, 4.0º C, 4.3º C and 5.3º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23 *
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161938-1	SSHS-IRM5A2-A8PH3-B30	Solid	09/06/23 14:30	09/07/23 10:26
180-161938-4	SSHS-IRM5A2-A8PH3-B33	Solid	09/06/23 14:45	09/07/23 10:26
180-161938-5	SSHS-IRM5A2-DUP318	Solid	09/06/23 00:00	09/07/23 10:26
180-161938-9	SSHS-IRM5A2-A8PH3-B36	Solid	09/06/23 15:00	09/07/23 10:26

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B30
Lab Sample ID: 180-161938-1
Date Collected: 09/06/23 14:30
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 00:25	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A8PH3-B33
Lab Sample ID: 180-161938-4
Date Collected: 09/06/23 14:45
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 00:35	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-DUP318
Lab Sample ID: 180-161938-5
Date Collected: 09/06/23 00:00
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 00:45	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A8PH3-B36
Lab Sample ID: 180-161938-9
Date Collected: 09/06/23 15:00
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 00:55	RS1	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B30
Lab Sample ID: 180-161938-1
Date Collected: 09/06/23 14:30
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 93.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.056**	**J**	0.21	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.043	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.033	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorooctanoic acid (PFOA)	**0.075**	**J**	0.21	0.056	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorononanoic acid (PFNA)	**0.061**	**J**	0.21	0.023	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.052	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.24**		0.21	0.046	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 00:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C5 PFPeA	*92*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C2 PFHxA	*98*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C4 PFHpA	*107*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C4 PFOA	*102*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C5 PFNA	*101*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C2 PFDA	*104*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C2 PFUnA	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C2 PFDoA	*91*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C3 PFBS	*95*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
18O2 PFHxS	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C4 PFOS	*95*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
13C8 FOSA	*107*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:25*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B33
Lab Sample ID: 180-161938-4
Date Collected: 09/06/23 14:45
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 94.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.049**	**J**	0.20	0.047	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorohexanoic acid (PFHxA)	**0.036**	**J**	0.20	0.031	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorooctanoic acid (PFOA)	**0.083**	**J**	0.20	0.054	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorononanoic acid (PFNA)	**0.047**	**J**	0.20	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorooctanesulfonic acid (PFOS)	**0.31**		0.20	0.044	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/11/23 04:41	09/13/23 00:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C5 PFPeA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C2 PFHxA	*97*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C4 PFHpA	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C4 PFOA	*91*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C5 PFNA	*98*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C2 PFDA	*100*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C2 PFUnA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C2 PFDoA	*85*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C3 PFBS	*79*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
18O2 PFHxS	*85*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C4 PFOS	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
13C8 FOSA	*97*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
M2-6:2 FTS	*66*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:35*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP318
Lab Sample ID: 180-161938-5

Date Collected: 09/06/23 00:00
Matrix: Solid

Date Received: 09/07/23 10:26
Percent Solids: 94.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.055**	**J**	0.20	0.045	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.040	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorohexanoic acid (PFHxA)	**0.031**	**J**	0.20	0.031	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorooctanoic acid (PFOA)	**0.062**	**J**	0.20	0.052	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorononanoic acid (PFNA)	**0.066**	**J**	0.20	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.047	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.041	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.036	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.048	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.38**		0.20	0.042	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.051	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.047	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/11/23 04:41	09/13/23 00:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C5 PFPeA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C2 PFHxA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C4 PFHpA	*97*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C4 PFOA	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C5 PFNA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C2 PFDA	*95*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C2 PFUnA	*91*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C2 PFDoA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C3 PFBS	*84*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
18O2 PFHxS	*84*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C4 PFOS	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
13C8 FOSA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:45*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B36
Lab Sample ID: 180-161938-9
Date Collected: 09/06/23 15:00
Matrix: Solid
Date Received: 09/07/23 10:26
Percent Solids: 92.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.056**	**J**	0.21	0.048	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluoropentanoic acid (PFPeA)	**0.046**	**J**	0.21	0.043	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J**	0.21	0.033	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.040	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.056	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorononanoic acid (PFNA)	**0.046**	**J**	0.21	0.023	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluoroundecanoic acid (PFUnA)	**0.050**	**J**	0.21	0.044	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorotridecanoic acid (PFTriA)	**0.023**	**J**	0.21	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.040	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.30**		0.21	0.045	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.055	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1
8:2 FTS	ND		0.21	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 00:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C5 PFPeA	*79*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C2 PFHxA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C4 PFHpA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C4 PFOA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C5 PFNA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C2 PFDA	*92*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C2 PFUnA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C2 PFDoA	*80*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C2 PFTeDA	*79*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C3 PFBS	*81*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
18O2 PFHxS	*79*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C4 PFOS	*83*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
13C8 FOSA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:55*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-705075/1-A
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/11/23 04:41	09/13/23 00:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C5 PFPeA	*92*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFHxA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C4 PFHpA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C4 PFOA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C5 PFNA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFDA	*101*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFUnA	*100*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFDoA	*104*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C3 PFBS	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
18O2 PFHxS	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C4 PFOS	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C8 FOSA	*111*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
d3-NMeFOSAA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-705075/2-A
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705075

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			2.00	1.96		ug/Kg		98	76 - 136		
Perfluoropentanoic acid (PFPeA)			2.00	2.16		ug/Kg		108	69 - 129		
Perfluorohexanoic acid (PFHxA)			2.00	2.04		ug/Kg		102	71 - 131		
Perfluoroheptanoic acid (PFHpA)			2.00	2.20		ug/Kg		110	71 - 131		
Perfluorooctanoic acid (PFOA)			2.00	2.08		ug/Kg		104	72 - 132		
Perfluorononanoic acid (PFNA)			2.00	2.07		ug/Kg		104	73 - 133		
Perfluorodecanoic acid (PFDA)			2.00	2.23		ug/Kg		111	72 - 132		
Perfluoroundecanoic acid (PFUnA)			2.00	2.02		ug/Kg		101	66 - 126		
Perfluorododecanoic acid (PFDoA)			2.00	2.30		ug/Kg		115	71 - 131		
Perfluorotridecanoic acid (PFTriA)			2.00	2.14		ug/Kg		107	71 - 131		
Perfluorotetradecanoic acid (PFTeA)			2.00	2.07		ug/Kg		103	67 - 127		
Perfluorobutanesulfonic acid (PFBS)			1.78	1.86		ug/Kg		105	69 - 129		
Perfluorohexanesulfonic acid (PFHxS)			1.82	1.75		ug/Kg		96	62 - 122		
Perfluoroheptanesulfonic acid (PFHpS)			1.91	2.05		ug/Kg		108	76 - 136		
Perfluorooctanesulfonic acid (PFOS)			1.86	1.89		ug/Kg		102	68 - 141		
Perfluorodecanesulfonic acid (PFDS)			1.93	1.86		ug/Kg		96	71 - 131		
Perfluorooctanesulfonamide (FOSA)			2.00	2.18		ug/Kg		109	77 - 137		
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			2.00	2.09		ug/Kg		104	72 - 132		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			2.00	2.26		ug/Kg		113	72 - 132		
6:2 FTS			1.90	2.01		ug/Kg		106	73 - 139		
8:2 FTS			1.92	1.95		ug/Kg		102	75 - 135		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*104*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*106*		*25 - 150*
13C4 PFHpA	*106*		*25 - 150*
13C4 PFOA	*107*		*25 - 150*
13C5 PFNA	*109*		*25 - 150*
13C2 PFDA	*106*		*25 - 150*
13C2 PFUnA	*109*		*25 - 150*
13C2 PFDoA	*103*		*25 - 150*
13C2 PFTeDA	*93*		*25 - 150*
13C3 PFBS	*104*		*25 - 150*
18O2 PFHxS	*106*		*25 - 150*
13C4 PFOS	*104*		*25 - 150*
13C8 FOSA	*113*		*25 - 150*
d3-NMeFOSAA	*105*		*25 - 150*
d5-NEtFOSAA	*114*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-705075/2-A
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705075

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	105		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161938-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 705075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161938-1	SSHS-IRM5A2-A8PH3-B30	Total/NA	Solid	SHAKE	
180-161938-4	SSHS-IRM5A2-A8PH3-B33	Total/NA	Solid	SHAKE	
180-161938-5	SSHS-IRM5A2-DUP318	Total/NA	Solid	SHAKE	
180-161938-9	SSHS-IRM5A2-A8PH3-B36	Total/NA	Solid	SHAKE	
MB 320-705075/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-705075/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 705437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161938-1	SSHS-IRM5A2-A8PH3-B30	Total/NA	Solid	537 (modified)	705075
180-161938-4	SSHS-IRM5A2-A8PH3-B33	Total/NA	Solid	537 (modified)	705075
180-161938-5	SSHS-IRM5A2-DUP318	Total/NA	Solid	537 (modified)	705075
180-161938-9	SSHS-IRM5A2-A8PH3-B36	Total/NA	Solid	537 (modified)	705075
MB 320-705075/1-A	Method Blank	Total/NA	Solid	537 (modified)	705075
LCS 320-705075/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	705075

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
	M STELMACH	Dunlap, David A		180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-B30	9/6/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-B31	9/6/23	1435	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B32	9/6/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B33	9/6/23	1445	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP309 ID should be -DUP318 as per Miranda Stelmach D. Dunlap 9/7/23	9/6/23	–	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-B34	9/6/23	1450	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B35	9/6/23	1455	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP310 ID should be -DUP319 as per Miranda Stelmach D. Dunlap 9/7/23	9/6/23	–	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B36	9/6/23	1500	G	S	N	N	X	X	X	X	X	X							8	

180-161938 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Miranda Stelmach	Date/Time: 9/6/23 1700	Company: Geosyntec	Received by:	Date/Time: 9-7-23 1026	Company: E.P. Hall
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr Aron Krasnopoler	M STELMACH 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 1

Company: Geosyntec Consultants, Inc.
Address: 10211 Wincopin Circle 4th Floor
City: Columbia
State, Zip: MD, 21044
Phone: 40-381-4333
Email: akrasnopoler@geosyntec.com
Project Name: Former Sperry Remington Site
Site:

Due Date Requested:
TAT Requested (days): Standard
PO #: MN0832I
WO #:
Project #: 18013464
SSOW#:

Job #:

Analysis Requested

180-161938 Chain of Custody

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercu	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-B30	9/6/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-B31	9/6/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B32	9/6/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B33	9/6/23	1445	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-DUP309	9/6/23	--	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-B34	9/6/23	1450	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B35	9/6/23	1455	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP310	9/6/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B36	9/6/23	1500	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Mraulder	Date/Time: 9/6/23 1500	Company: Geosyntec	Received by:	Date/Time: 9/7/23 0940	Company: EurSnc
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No. Seal

Cooler Temperature(s) °C and Other Remarks: 2.7

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-161938 Field Sheet

Tracking # 7733 1022 7911

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID IR2 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal Seal

Cooler ID _____

Temp Observed 2.7 °C Corrected 2.7 °C
From Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials PM Date 9/7/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials DM Date: 09/07/23

Notes._____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: DM Date: 09/07/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161938-2

Login Number: 161938
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161938-2

Login Number: 161938
List Number: 2
Creator: Morazzini, Dominic S

List Source: Eurofins Sacramento
List Creation: 09/07/23 04:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/15/2023 1:45:20 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162180-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-162180-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162180-1

Receipt
The samples were received on 9/12/2023 at the Eurofins Pittsburgh, PA and Cleveland, OH laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9º C and 3.9º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for batch 180-446184 recovered below the control limits for the following analyte: 4-Methyl-2-pentanone. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-446184 was above the control limits for the following analyte: 1,1-Dichloroethene. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446184 was below criteria for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446184 was above criteria for the following analytes: Methyl acetate, Chloromethane, and Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) for preparation batch 180-446284 recovered below the control limits for the following analytes: 2,4-Dimethylphenol and Hexachlorocyclopentadiene. 2,4-Dimethylphenol and Hexachlorocyclopentadiene have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HL (180-162180-1) had the recoveries of 2,4-Dimethylphenol and/or Hexachlorocyclopentadiene below the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-446337 was below criteria for the following analyte: Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-446337 was above criteria for the following analytes: Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, and Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446298 (CCVIS 180-446298/26) was above criteria for aroclor 1260 on column RTX-CLP1. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP2 which met criteria.

Job ID: 180-162180-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 7471B: The matrix spike (MS) of sample SSHS-IRM5A2-HL (180-162180-1) had the recovery and RPD between the spikes for mercury above the control limits. The recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-02-24

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162180-1	SSHS-IRM5A2-HL	Solid	09/11/23 15:00	09/12/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET CLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET CLE
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3546	Microwave Extraction	SW846	EET CLE
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET CLE
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1
Date Collected: 09/11/23 15:00
Matrix: Solid
Date Received: 09/12/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1
Date Collected: 09/11/23 15:00
Matrix: Solid
Date Received: 09/12/23 09:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0226 g	5 mL	446223	09/12/23 13:04	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446184	09/12/23 14:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	446284	09/12/23 23:20	CBY	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446337	09/13/23 11:36	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	5035			7.476 g	5 mL	586924	09/12/23 14:31	JBN	EET CLE
Total/NA	Analysis	8015D		1	0.1 mL	5 mL	586893	09/12/23 18:59	JBN	EET CLE
	Instrument ID: AFID									
Total/NA	Prep	3546			6.95 g	5 mL	586985	09/13/23 08:23	BV1	EET CLE
Total/NA	Analysis	8015D		1	1 mL	1 mL	587016	09/13/23 15:50	EPF	EET CLE
	Instrument ID: A2HP5R									
Total/NA	Prep	3541			15.0 g	20.0 mL	446283	09/12/23 23:20	CBY	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446367	09/13/23 10:09	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446369	09/13/23 10:10	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446298	09/13/23 15:56	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.80 g	50 mL	446254	09/13/23 06:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			446515	09/13/23 23:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.80 g	50 mL	446254	09/13/23 06:55	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			446626	09/14/23 20:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	446251	09/12/23 14:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446380	09/13/23 09:25	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET CLE
- Batch Type: Prep
  - BV1 = Brandon Vargo
  - JBN = Jeffrey Nestor
- Batch Type: Analysis
  - EPF = Ebone Ford
  - JBN = Jeffrey Nestor

Lab: EET PIT
- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CBY = Charles Yushinski
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - SJM = Shannon Mueller
- Batch Type: Analysis
  - AAS = Ariana Swick
  - CRL = Craig Tronzo
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1
Date Collected: 09/11/23 15:00
Matrix: Solid
Date Received: 09/12/23 09:30
Percent Solids: 86.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Benzene	ND		5.8	1.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Carbon tetrachloride	ND		5.8	2.3	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
cis-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2,4-Trimethylbenzene	ND		5.8	2.0	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,1-Dichloroethane	ND		5.8	1.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,1-Dichloroethene	ND	*1	5.8	2.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,4-Dioxane	ND		1200	87	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,3,5-Trimethylbenzene	ND		5.8	2.1	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
4-Methyl-2-pentanone (MIBK)	ND	*-	29	2.1	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Styrene	ND		5.8	1.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Toluene	ND		5.8	1.7	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1
Date Collected: 09/11/23 15:00
Matrix: Solid
Date Received: 09/12/23 09:30
Percent Solids: 86.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
4-Isopropyltoluene	ND		5.8	2.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
n-Butylbenzene	ND		5.8	2.9	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
N-Propylbenzene	ND		5.8	2.1	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
sec-Butylbenzene	ND		5.8	2.8	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1
tert-Butylbenzene	ND		5.8	2.4	ug/Kg	☼	09/12/23 13:04	09/12/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*09/12/23 13:04*	*09/12/23 14:00*	*1*
Dibromofluoromethane (Surr)	*82*		*69 - 126*	*09/12/23 13:04*	*09/12/23 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*73 - 135*	*09/12/23 13:04*	*09/12/23 14:00*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*09/12/23 13:04*	*09/12/23 14:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Acenaphthylene	ND		78	17	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Acetophenone	ND		780	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Anthracene	ND		78	20	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Atrazine	ND		780	170	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Benzaldehyde	ND		780	48	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Benzo[a]pyrene	ND		78	33	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Benzo[b]fluoranthene	ND		78	19	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Benzo[g,h,i]perylene	ND		78	17	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Bis(2-ethylhexyl) phthalate	**560**	**J**	3800	410	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Butyl benzyl phthalate	ND		380	270	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Caprolactam	ND		2000	250	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Carbazole	ND		78	18	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Chrysene	ND		78	43	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Dibenz(a,h)anthracene	ND		78	49	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Dibenzofuran	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1
Date Collected: 09/11/23 15:00
Matrix: Solid
Date Received: 09/12/23 09:30
Percent Solids: 86.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,4-Dimethylphenol	ND	*- F1	380	130	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Fluoranthene	ND		78	20	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Fluorene	ND		78	15	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Hexachlorocyclopentadiene	ND	*- F1	380	40	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Hexachloroethane	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Indeno[1,2,3-cd]pyrene	ND		78	38	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Isophorone	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2-Methylphenol	ND		380	110	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Naphthalene	ND		78	15	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Nitrobenzene	ND		780	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Phenanthrene	ND		78	21	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Phenol	ND		380	120	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
Pyrene	ND		78	18	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	09/12/23 23:20	09/13/23 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*09/12/23 23:20*	*09/13/23 11:36*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*09/12/23 23:20*	*09/13/23 11:36*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*09/12/23 23:20*	*09/13/23 11:36*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*09/12/23 23:20*	*09/13/23 11:36*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*09/12/23 23:20*	*09/13/23 11:36*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*09/12/23 23:20*	*09/13/23 11:36*	*1*

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1

Date Collected: 09/11/23 15:00
Matrix: Solid

Date Received: 09/12/23 09:30
Percent Solids: 86.3

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4700	2500	ug/Kg	☼	09/12/23 14:31	09/12/23 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*84*		*10 - 177*	*09/12/23 14:31*	*09/12/23 18:59*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	**270**		83	58	mg/Kg	☼	09/13/23 08:23	09/13/23 15:50	1
Oil Range Organics (C28-C40)	**340**		83	58	mg/Kg	☼	09/13/23 08:23	09/13/23 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*39 - 120*	*09/13/23 08:23*	*09/13/23 15:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1221	ND		19	6.8	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1232	ND		19	4.7	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1248	ND		19	4.6	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1254	ND		19	5.8	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1260	ND		19	5.5	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1262	ND		19	6.8	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/12/23 23:20	09/13/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*09/12/23 23:20*	*09/13/23 15:56*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*09/12/23 23:20*	*09/13/23 15:56*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*09/12/23 23:20*	*09/13/23 15:56*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*09/12/23 23:20*	*09/13/23 15:56*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		14	3.6	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Antimony	**0.34**	**J**	0.72	0.22	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Arsenic	**18**		0.72	0.45	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Barium	**87**		14	2.6	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Beryllium	**0.44**		0.29	0.079	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Cadmium	**0.42**		0.36	0.053	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Calcium	**8300**		360	47	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Chromium	**13**		0.36	0.33	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Cobalt	**9.7**		3.6	0.51	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Copper	**26**		1.8	1.1	mg/Kg	☼	09/13/23 06:55	09/14/23 20:20	1
Iron	**23000**		7.2	7.1	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Lead	**17**		0.72	0.63	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Magnesium	**4500**		360	40	mg/Kg	☼	09/13/23 06:55	09/14/23 20:20	1
Manganese	**480**		1.1	0.20	mg/Kg	☼	09/13/23 06:55	09/14/23 20:20	1
Nickel	**22**		2.9	0.36	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Potassium	**930**		360	62	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Selenium	ND		0.72	0.33	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Silver	ND		0.36	0.075	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HL
Lab Sample ID: 180-162180-1
Date Collected: 09/11/23 15:00
Matrix: Solid
Date Received: 09/12/23 09:30
Percent Solids: 86.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	58	J	360	37	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Thallium	ND		1.4	0.21	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Vanadium	16		3.6	0.57	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1
Zinc	77		1.4	1.0	mg/Kg	☼	09/13/23 06:55	09/13/23 23:52	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1 F2	0.038	0.025	mg/Kg	☼	09/12/23 14:30	09/13/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.7		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	86.3		0.1	0.1	%			09/12/23 16:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-446184/7
Matrix: Solid
Analysis Batch: 446184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/12/23 11:23	1
Benzene	ND		5.0	1.4	ug/Kg			09/12/23 11:23	1
Bromoform	ND		5.0	2.5	ug/Kg			09/12/23 11:23	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/12/23 11:23	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/12/23 11:23	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/12/23 11:23	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/12/23 11:23	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/12/23 11:23	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/12/23 11:23	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/12/23 11:23	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/12/23 11:23	1
Chloroform	ND		5.0	3.4	ug/Kg			09/12/23 11:23	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/12/23 11:23	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/12/23 11:23	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/12/23 11:23	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/12/23 11:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/12/23 11:23	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/12/23 11:23	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/12/23 11:23	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/12/23 11:23	1
1,2,4-Trimethylbenzene	ND		5.0	1.7	ug/Kg			09/12/23 11:23	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/12/23 11:23	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/12/23 11:23	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/12/23 11:23	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/12/23 11:23	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/12/23 11:23	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/12/23 11:23	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/12/23 11:23	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/12/23 11:23	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/12/23 11:23	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/12/23 11:23	1
2-Hexanone	ND		25	1.6	ug/Kg			09/12/23 11:23	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/12/23 11:23	1
Methyl acetate	ND		25	7.4	ug/Kg			09/12/23 11:23	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/12/23 11:23	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/12/23 11:23	1
1,3,5-Trimethylbenzene	ND		5.0	1.9	ug/Kg			09/12/23 11:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/12/23 11:23	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/12/23 11:23	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/12/23 11:23	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/12/23 11:23	1
Styrene	ND		5.0	1.5	ug/Kg			09/12/23 11:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/12/23 11:23	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/12/23 11:23	1
Toluene	ND		5.0	1.4	ug/Kg			09/12/23 11:23	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/12/23 11:23	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/12/23 11:23	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/12/23 11:23	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-446184/7
Matrix: Solid
Analysis Batch: 446184

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/12/23 11:23	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/12/23 11:23	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/12/23 11:23	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/12/23 11:23	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/12/23 11:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/12/23 11:23	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/12/23 11:23	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/12/23 11:23	1
4-Isopropyltoluene	ND		5.0	2.4	ug/Kg			09/12/23 11:23	1
n-Butylbenzene	ND		5.0	2.5	ug/Kg			09/12/23 11:23	1
N-Propylbenzene	ND		5.0	1.8	ug/Kg			09/12/23 11:23	1
sec-Butylbenzene	ND		5.0	2.5	ug/Kg			09/12/23 11:23	1
tert-Butylbenzene	ND		5.0	2.1	ug/Kg			09/12/23 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*		*09/12/23 11:23*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*		*09/12/23 11:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*		*09/12/23 11:23*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*		*09/12/23 11:23*	*1*

Lab Sample ID: LCS 180-446184/17
Matrix: Solid
Analysis Batch: 446184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	80.0	44.1		ug/Kg		55	23 - 170
Benzene	40.0	35.8		ug/Kg		89	77 - 120
Bromoform	40.0	36.0		ug/Kg		90	37 - 147
Bromomethane	40.0	35.4		ug/Kg		88	47 - 149
2-Butanone (MEK)	80.0	40.7		ug/Kg		51	39 - 157
Carbon disulfide	40.0	35.9		ug/Kg		90	40 - 156
Carbon tetrachloride	40.0	36.5		ug/Kg		91	73 - 130
Chlorobenzene	40.0	33.7		ug/Kg		84	79 - 122
Chlorobromomethane	40.0	36.3		ug/Kg		91	64 - 128
Chlorodibromomethane	40.0	33.7		ug/Kg		84	60 - 134
Chloroethane	40.0	32.4		ug/Kg		81	37 - 159
Chloroform	40.0	38.8		ug/Kg		97	73 - 126
Chloromethane	40.0	45.7		ug/Kg		114	46 - 151
cis-1,2-Dichloroethene	40.0	36.7		ug/Kg		92	77 - 118
cis-1,3-Dichloropropene	40.0	35.5		ug/Kg		89	73 - 127
Cyclohexane	40.0	37.8		ug/Kg		94	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	31.7		ug/Kg		79	30 - 163
1,2-Dibromoethane	40.0	33.3		ug/Kg		83	59 - 137
1,2-Dichlorobenzene	40.0	33.7		ug/Kg		84	76 - 120
1,3-Dichlorobenzene	40.0	34.4		ug/Kg		86	77 - 121
1,2,4-Trimethylbenzene	40.0	33.5		ug/Kg		84	74 - 127
1,4-Dichlorobenzene	40.0	33.5		ug/Kg		84	79 - 120
Dichlorobromomethane	40.0	37.2		ug/Kg		93	75 - 123

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-446184/17
Matrix: Solid
Analysis Batch: 446184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	40.0	33.2		ug/Kg		83	26 - 149
1,1-Dichloroethane	40.0	38.5		ug/Kg		96	73 - 124
1,2-Dichloroethane	40.0	37.3		ug/Kg		93	64 - 140
1,1-Dichloroethene	40.0	28.4		ug/Kg		71	55 - 136
1,2-Dichloroethene, Total	80.0	73.2		ug/Kg		91	77 - 119
1,2-Dichloropropane	40.0	37.4		ug/Kg		94	77 - 119
1,4-Dioxane	800	853	J	ug/Kg		107	18 - 166
Ethylbenzene	40.0	34.3		ug/Kg		86	79 - 119
2-Hexanone	80.0	38.0		ug/Kg		48	42 - 152
Isopropylbenzene	40.0	35.4		ug/Kg		88	70 - 125
Methyl acetate	80.0	92.5		ug/Kg		116	20 - 170
Methylcyclohexane	40.0	35.4		ug/Kg		89	70 - 125
Methylene Chloride	40.0	32.3		ug/Kg		81	67 - 131
1,3,5-Trimethylbenzene	40.0	33.7		ug/Kg		84	69 - 131
4-Methyl-2-pentanone (MIBK)	80.0	33.7	*-	ug/Kg		42	51 - 147
Methyl tert-butyl ether	40.0	33.4		ug/Kg		83	58 - 132
m-Xylene & p-Xylene	40.0	33.2		ug/Kg		83	77 - 120
o-Xylene	40.0	34.2		ug/Kg		86	78 - 118
Styrene	40.0	34.4		ug/Kg		86	80 - 120
1,1,2,2-Tetrachloroethane	40.0	32.3		ug/Kg		81	36 - 170
Tetrachloroethene	40.0	37.9		ug/Kg		95	71 - 121
Toluene	40.0	35.0		ug/Kg		88	76 - 120
trans-1,2-Dichloroethene	40.0	36.4		ug/Kg		91	75 - 122
trans-1,3-Dichloropropene	40.0	33.3		ug/Kg		83	68 - 133
1,2,3-Trichlorobenzene	40.0	35.8		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	37.7		ug/Kg		94	22 - 170
1,1,1-Trichloroethane	40.0	37.4		ug/Kg		94	72 - 134
1,1,2-Trichloroethane	40.0	32.2		ug/Kg		81	66 - 128
Trichloroethene	40.0	37.0		ug/Kg		93	69 - 118
Trichlorofluoromethane	40.0	40.1		ug/Kg		100	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	27.4		ug/Kg		69	59 - 135
Vinyl chloride	40.0	38.4		ug/Kg		96	64 - 134
Xylenes, Total	80.0	67.4		ug/Kg		84	78 - 118
4-Isopropyltoluene	40.0	33.8		ug/Kg		85	68 - 128
n-Butylbenzene	40.0	35.8		ug/Kg		89	64 - 136
N-Propylbenzene	40.0	33.3		ug/Kg		83	71 - 127
sec-Butylbenzene	40.0	33.4		ug/Kg		84	65 - 130
tert-Butylbenzene	40.0	33.2		ug/Kg		83	69 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-446184/19
Matrix: Solid
Analysis Batch: 446184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	80.0	51.7		ug/Kg		65	23 - 170	16	35
Benzene	40.0	37.3		ug/Kg		93	77 - 120	4	20
Bromoform	40.0	41.1		ug/Kg		103	37 - 147	13	23
Bromomethane	40.0	35.0		ug/Kg		88	47 - 149	1	25
2-Butanone (MEK)	80.0	47.1		ug/Kg		59	39 - 157	15	33
Carbon disulfide	40.0	35.9		ug/Kg		90	40 - 156	0	25
Carbon tetrachloride	40.0	38.9		ug/Kg		97	73 - 130	6	21
Chlorobenzene	40.0	35.5		ug/Kg		89	79 - 122	5	20
Chlorobromomethane	40.0	40.0		ug/Kg		100	64 - 128	10	20
Chlorodibromomethane	40.0	37.6		ug/Kg		94	60 - 134	11	40
Chloroethane	40.0	30.9		ug/Kg		77	37 - 159	5	25
Chloroform	40.0	39.9		ug/Kg		100	73 - 126	3	20
Chloromethane	40.0	56.5		ug/Kg		141	46 - 151	21	33
cis-1,2-Dichloroethene	40.0	38.2		ug/Kg		96	77 - 118	4	20
cis-1,3-Dichloropropene	40.0	39.0		ug/Kg		98	73 - 127	9	20
Cyclohexane	40.0	37.7		ug/Kg		94	63 - 143	0	25
1,2-Dibromo-3-Chloropropane	40.0	33.7		ug/Kg		84	30 - 163	6	34
1,2-Dibromoethane	40.0	38.1		ug/Kg		95	59 - 137	13	20
1,2-Dichlorobenzene	40.0	36.3		ug/Kg		91	76 - 120	8	20
1,3-Dichlorobenzene	40.0	35.8		ug/Kg		89	77 - 121	4	20
1,2,4-Trimethylbenzene	40.0	33.9		ug/Kg		85	74 - 127	1	20
1,4-Dichlorobenzene	40.0	35.0		ug/Kg		87	79 - 120	4	20
Dichlorobromomethane	40.0	40.4		ug/Kg		101	75 - 123	8	20
Dichlorodifluoromethane	40.0	33.3		ug/Kg		83	26 - 149	0	24
1,1-Dichloroethane	40.0	39.5		ug/Kg		99	73 - 124	3	20
1,2-Dichloroethane	40.0	40.5		ug/Kg		101	64 - 140	8	20
1,1-Dichloroethene	40.0	35.8	*1	ug/Kg		89	55 - 136	23	21
1,2-Dichloroethene, Total	80.0	75.0		ug/Kg		94	77 - 119	2	20
1,2-Dichloropropane	40.0	39.4		ug/Kg		98	77 - 119	5	20
1,4-Dioxane	800	911	J	ug/Kg		114	18 - 166	7	40
Ethylbenzene	40.0	35.8		ug/Kg		90	79 - 119	4	20
2-Hexanone	80.0	45.8		ug/Kg		57	42 - 152	19	30
Isopropylbenzene	40.0	36.3		ug/Kg		91	70 - 125	3	21
Methyl acetate	80.0	105		ug/Kg		132	20 - 170	13	33
Methylcyclohexane	40.0	35.7		ug/Kg		89	70 - 125	1	22
Methylene Chloride	40.0	41.7		ug/Kg		104	67 - 131	25	32
1,3,5-Trimethylbenzene	40.0	34.6		ug/Kg		87	69 - 131	3	20
4-Methyl-2-pentanone (MIBK)	80.0	40.5		ug/Kg		51	51 - 147	18	27
Methyl tert-butyl ether	40.0	38.0		ug/Kg		95	58 - 132	13	24
m-Xylene & p-Xylene	40.0	35.4		ug/Kg		88	77 - 120	6	20
o-Xylene	40.0	35.5		ug/Kg		89	78 - 118	4	20
Styrene	40.0	36.7		ug/Kg		92	80 - 120	7	20
1,1,2,2-Tetrachloroethane	40.0	37.5		ug/Kg		94	36 - 170	15	23
Tetrachloroethene	40.0	38.3		ug/Kg		96	71 - 121	1	21
Toluene	40.0	35.9		ug/Kg		90	76 - 120	2	20
trans-1,2-Dichloroethene	40.0	36.8		ug/Kg		92	75 - 122	1	20
trans-1,3-Dichloropropene	40.0	37.1		ug/Kg		93	68 - 133	11	20
1,2,3-Trichlorobenzene	40.0	39.9		ug/Kg		100	29 - 166	11	40

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-446184/19
Matrix: Solid
Analysis Batch: 446184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			40.0	38.6		ug/Kg		96	22 - 170	2	29
1,1,1-Trichloroethane			40.0	37.1		ug/Kg		93	72 - 134	1	20
1,1,2-Trichloroethane			40.0	36.7		ug/Kg		92	66 - 128	13	21
Trichloroethene			40.0	36.9		ug/Kg		92	69 - 118	0	20
Trichlorofluoromethane			40.0	38.6		ug/Kg		97	32 - 149	4	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	28.7		ug/Kg		72	59 - 135	4	28
Vinyl chloride			40.0	39.1		ug/Kg		98	64 - 134	2	23
Xylenes, Total			80.0	70.9		ug/Kg		89	78 - 118	5	20
4-Isopropyltoluene			40.0	34.3		ug/Kg		86	68 - 128	1	20
n-Butylbenzene			40.0	35.3		ug/Kg		88	64 - 136	1	21
N-Propylbenzene			40.0	33.5		ug/Kg		84	71 - 127	1	20
sec-Butylbenzene			40.0	33.5		ug/Kg		84	65 - 130	0	20
tert-Butylbenzene			40.0	33.9		ug/Kg		85	69 - 133	2	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*90*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-446284/1-A
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Acenaphthylene	ND		67	15	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Acetophenone	ND		670	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Anthracene	ND		67	17	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Atrazine	ND		670	150	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Benzaldehyde	ND		670	41	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Benzo[a]anthracene	ND		67	30	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Benzo[a]pyrene	ND		67	29	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
1,1'-Biphenyl	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Caprolactam	ND		1700	220	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Carbazole	ND		67	16	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4-Chloroaniline	ND		330	88	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-446284/1-A
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		67	15	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2-Chlorophenol	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Chrysene	ND		67	37	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Dibenzofuran	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Diethyl phthalate	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Dimethyl phthalate	ND		330	130	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
1,4-Dioxane	ND		670	100	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Fluoranthene	ND		67	18	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Fluorene	ND		67	13	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Hexachlorobenzene	ND		67	24	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Hexachlorobutadiene	ND		67	20	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Hexachloroethane	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Isophorone	ND		330	130	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2-Methylnaphthalene	ND		67	16	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2-Methylphenol	ND		330	96	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Naphthalene	ND		67	13	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2-Nitroaniline	ND		1700	150	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
3-Nitroaniline	ND		1700	85	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4-Nitroaniline	ND		1700	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Nitrobenzene	ND		670	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2-Nitrophenol	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
4-Nitrophenol	ND		1700	230	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Pentachlorophenol	ND		1700	540	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Phenanthrene	ND		67	18	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Phenol	ND		330	100	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
Pyrene	ND		67	16	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		09/12/23 23:20	09/13/23 10:11	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		09/12/23 23:20	09/13/23 10:11	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-446284/1-A
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446284

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	58		44 - 105	09/12/23 23:20	09/13/23 10:11	1
2-Fluorophenol (Surr)	64		48 - 105	09/12/23 23:20	09/13/23 10:11	1
Nitrobenzene-d5 (Surr)	59		46 - 105	09/12/23 23:20	09/13/23 10:11	1
Phenol-d5 (Surr)	64		46 - 105	09/12/23 23:20	09/13/23 10:11	1
Terphenyl-d14 (Surr)	64		39 - 105	09/12/23 23:20	09/13/23 10:11	1
2,4,6-Tribromophenol (Surr)	58		34 - 108	09/12/23 23:20	09/13/23 10:11	1

Lab Sample ID: LCS 180-446284/2-A
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	3860		ug/Kg		58	50 - 100
Acenaphthylene	6670	4460		ug/Kg		67	52 - 100
Acetophenone	6670	3790		ug/Kg		57	48 - 100
Anthracene	6670	4300		ug/Kg		65	53 - 100
Atrazine	6670	4040		ug/Kg		61	49 - 103
Benzaldehyde	6670	3860		ug/Kg		58	23 - 105
Benzo[a]anthracene	6670	4420		ug/Kg		66	51 - 100
Benzo[a]pyrene	6670	4490		ug/Kg		67	51 - 100
Benzo[b]fluoranthene	6670	3830		ug/Kg		57	48 - 100
Benzo[g,h,i]perylene	6670	4010		ug/Kg		60	48 - 105
Benzo[k]fluoranthene	6670	3980		ug/Kg		60	19 - 100
1,1'-Biphenyl	6670	3920		ug/Kg		59	50 - 100
Bis(2-chloroethoxy)methane	6670	3790		ug/Kg		57	49 - 100
Bis(2-chloroethyl)ether	6670	3810		ug/Kg		57	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5430		ug/Kg		81	53 - 107
4-Bromophenyl phenyl ether	6670	4150		ug/Kg		62	52 - 101
Butyl benzyl phthalate	6670	5350		ug/Kg		80	52 - 107
Caprolactam	6670	3920		ug/Kg		59	48 - 111
Carbazole	6670	4410		ug/Kg		66	53 - 100
4-Chloroaniline	6670	3820		ug/Kg		57	47 - 100
4-Chloro-3-methylphenol	6670	4020		ug/Kg		60	49 - 106
2-Chloronaphthalene	6670	4050		ug/Kg		61	51 - 100
2-Chlorophenol	6670	4250		ug/Kg		64	51 - 100
4-Chlorophenyl phenyl ether	6670	3630		ug/Kg		54	52 - 100
Chrysene	6670	4180		ug/Kg		63	50 - 100
Dibenz(a,h)anthracene	6670	4120		ug/Kg		62	50 - 107
Dibenzofuran	6670	3890		ug/Kg		58	52 - 100
3,3'-Dichlorobenzidine	6670	4000		ug/Kg		60	43 - 100
2,4-Dichlorophenol	6670	4110		ug/Kg		62	53 - 101
Diethyl phthalate	6670	4350		ug/Kg		65	48 - 104
2,4-Dimethylphenol	6670	3060	*-	ug/Kg		46	51 - 101
Dimethyl phthalate	6670	4240		ug/Kg		64	53 - 100
Di-n-butyl phthalate	6670	4690		ug/Kg		70	57 - 102
4,6-Dinitro-2-methylphenol	13300	7560		ug/Kg		57	51 - 100
2,4-Dinitrophenol	13300	6720		ug/Kg		50	33 - 101
2,4-Dinitrotoluene	6670	4210		ug/Kg		63	54 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-446284/2-A
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	6670	4180		ug/Kg		63	51 - 106
Di-n-octyl phthalate	6670	5880		ug/Kg		88	41 - 106
1,4-Dioxane	6670	4010		ug/Kg		60	25 - 125
Fluoranthene	6670	4250		ug/Kg		64	55 - 100
Fluorene	6670	3820		ug/Kg		57	52 - 100
Hexachlorobenzene	6670	3960		ug/Kg		59	49 - 100
Hexachlorobutadiene	6670	3250		ug/Kg		49	38 - 107
Hexachlorocyclopentadiene	6670	1820	*-	ug/Kg		27	33 - 117
Hexachloroethane	6670	4050		ug/Kg		61	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4190		ug/Kg		63	51 - 103
Isophorone	6670	4130		ug/Kg		62	48 - 105
2-Methylnaphthalene	6670	3960		ug/Kg		59	53 - 100
2-Methylphenol	6670	4000		ug/Kg		60	50 - 101
Methylphenol, 3 & 4	6670	4010		ug/Kg		60	50 - 103
Naphthalene	6670	3780		ug/Kg		57	51 - 100
2-Nitroaniline	6670	4310		ug/Kg		65	42 - 123
3-Nitroaniline	6670	4550		ug/Kg		68	50 - 103
4-Nitroaniline	6670	4540		ug/Kg		68	52 - 103
Nitrobenzene	6670	3780		ug/Kg		57	44 - 108
2-Nitrophenol	6670	4460		ug/Kg		67	55 - 107
4-Nitrophenol	13300	8740		ug/Kg		66	30 - 134
N-Nitrosodi-n-propylamine	6670	3820		ug/Kg		57	45 - 107
N-Nitrosodiphenylamine	6670	4370		ug/Kg		65	52 - 100
2,2'-oxybis[1-chloropropane]	6670	3500		ug/Kg		53	30 - 113
Pentachlorophenol	13300	7980		ug/Kg		60	42 - 110
Phenanthrene	6670	4100		ug/Kg		61	53 - 100
Phenol	6670	3820		ug/Kg		57	49 - 100
Pyrene	6670	4440		ug/Kg		67	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	3370		ug/Kg		51	41 - 104
2,3,4,6-Tetrachlorophenol	6670	3580		ug/Kg		54	47 - 104
2,4,5-Trichlorophenol	6670	3980		ug/Kg		60	50 - 104
2,4,6-Trichlorophenol	6670	4270		ug/Kg		64	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*56*		*44 - 105*
2-Fluorophenol (Surr)	*61*		*48 - 105*
Nitrobenzene-d5 (Surr)	*57*		*46 - 105*
Phenol-d5 (Surr)	*60*		*46 - 105*
Terphenyl-d14 (Surr)	*61*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*

Lab Sample ID: 180-162180-1 MS
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7720	5020		ug/Kg	☼	65	50 - 100
Acenaphthylene	ND		7720	5870		ug/Kg	☼	76	52 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162180-1 MS
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetophenone	ND		7720	4910		ug/Kg	☼	64	48 - 100
Anthracene	ND		7720	5570		ug/Kg	☼	72	53 - 100
Atrazine	ND		7720	5390		ug/Kg	☼	70	49 - 103
Benzaldehyde	ND		7720	3460		ug/Kg	☼	45	23 - 105
Benzo[a]anthracene	ND		7720	5670		ug/Kg	☼	73	51 - 100
Benzo[a]pyrene	ND		7720	5730		ug/Kg	☼	74	51 - 100
Benzo[b]fluoranthene	ND		7720	4710		ug/Kg	☼	61	48 - 100
Benzo[g,h,i]perylene	ND		7720	5350		ug/Kg	☼	69	48 - 105
Benzo[k]fluoranthene	ND		7720	4930		ug/Kg	☼	64	19 - 100
1,1'-Biphenyl	ND		7720	5170		ug/Kg	☼	67	50 - 100
Bis(2-chloroethoxy)methane	ND		7720	4960		ug/Kg	☼	64	49 - 100
Bis(2-chloroethyl)ether	ND		7720	4980		ug/Kg	☼	64	48 - 100
Bis(2-ethylhexyl) phthalate	560	J	7720	7670		ug/Kg	☼	92	53 - 107
4-Bromophenyl phenyl ether	ND		7720	5440		ug/Kg	☼	70	52 - 101
Butyl benzyl phthalate	ND		7720	7190		ug/Kg	☼	93	52 - 107
Caprolactam	ND		7720	5240		ug/Kg	☼	68	48 - 111
Carbazole	ND		7720	5650		ug/Kg	☼	73	53 - 100
4-Chloroaniline	ND		7720	5030		ug/Kg	☼	65	47 - 100
4-Chloro-3-methylphenol	ND		7720	5320		ug/Kg	☼	69	49 - 106
2-Chloronaphthalene	ND		7720	5320		ug/Kg	☼	69	51 - 100
2-Chlorophenol	ND		7720	5520		ug/Kg	☼	71	51 - 100
4-Chlorophenyl phenyl ether	ND		7720	4710		ug/Kg	☼	61	52 - 100
Chrysene	ND		7720	5530		ug/Kg	☼	72	50 - 100
Dibenz(a,h)anthracene	ND		7720	5520		ug/Kg	☼	72	50 - 107
Dibenzofuran	ND		7720	5000		ug/Kg	☼	65	52 - 100
3,3'-Dichlorobenzidine	ND		7720	4970		ug/Kg	☼	64	43 - 100
2,4-Dichlorophenol	ND		7720	5330		ug/Kg	☼	69	53 - 101
Diethyl phthalate	ND		7720	5700		ug/Kg	☼	74	48 - 104
2,4-Dimethylphenol	ND	*- F1	7720	4030		ug/Kg	☼	52	51 - 101
Dimethyl phthalate	ND		7720	5540		ug/Kg	☼	72	53 - 100
Di-n-butyl phthalate	ND		7720	5890		ug/Kg	☼	76	57 - 102
4,6-Dinitro-2-methylphenol	ND		15400	10500		ug/Kg	☼	68	51 - 100
2,4-Dinitrophenol	ND		15400	8640		ug/Kg	☼	56	33 - 101
2,4-Dinitrotoluene	ND		7720	5500		ug/Kg	☼	71	54 - 104
2,6-Dinitrotoluene	ND		7720	5550		ug/Kg	☼	72	51 - 106
Di-n-octyl phthalate	ND		7720	7800		ug/Kg	☼	101	41 - 106
1,4-Dioxane	ND		7720	5400		ug/Kg	☼	70	25 - 125
Fluoranthene	ND		7720	4920		ug/Kg	☼	64	55 - 100
Fluorene	ND		7720	5050		ug/Kg	☼	65	52 - 100
Hexachlorobenzene	ND		7720	5120		ug/Kg	☼	66	49 - 100
Hexachlorobutadiene	ND		7720	4320		ug/Kg	☼	56	38 - 107
Hexachlorocyclopentadiene	ND	*- F1	7720	2280	F1	ug/Kg	☼	30	33 - 117
Hexachloroethane	ND		7720	5210		ug/Kg	☼	67	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7720	5460		ug/Kg	☼	71	51 - 103
Isophorone	ND		7720	5430		ug/Kg	☼	70	48 - 105
2-Methylnaphthalene	ND		7720	5220		ug/Kg	☼	68	53 - 100
2-Methylphenol	ND		7720	5120		ug/Kg	☼	66	50 - 101
Methylphenol, 3 & 4	ND		7720	5250		ug/Kg	☼	68	50 - 103
Naphthalene	ND		7720	5060		ug/Kg	☼	66	51 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162180-1 MS
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	ND		7720	5780		ug/Kg	☼	75	42 - 123
3-Nitroaniline	ND		7720	6040		ug/Kg	☼	78	50 - 103
4-Nitroaniline	ND		7720	6050		ug/Kg	☼	78	52 - 103
Nitrobenzene	ND		7720	5020		ug/Kg	☼	65	44 - 108
2-Nitrophenol	ND		7720	5950		ug/Kg	☼	77	55 - 107
4-Nitrophenol	ND		15400	11500		ug/Kg	☼	74	30 - 134
N-Nitrosodi-n-propylamine	ND		7720	5080		ug/Kg	☼	66	45 - 107
N-Nitrosodiphenylamine	ND		7720	5870		ug/Kg	☼	76	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7720	4620		ug/Kg	☼	60	30 - 113
Pentachlorophenol	ND		15400	10500		ug/Kg	☼	68	42 - 110
Phenanthrene	ND		7720	5290		ug/Kg	☼	69	53 - 100
Phenol	ND		7720	4990		ug/Kg	☼	65	49 - 100
Pyrene	ND		7720	5870		ug/Kg	☼	76	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7720	4460		ug/Kg	☼	58	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7720	4710		ug/Kg	☼	61	47 - 104
2,4,5-Trichlorophenol	ND		7720	5340		ug/Kg	☼	69	50 - 104
2,4,6-Trichlorophenol	ND		7720	5490		ug/Kg	☼	71	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*44 - 105*
2-Fluorophenol (Surr)	*68*		*48 - 105*
Nitrobenzene-d5 (Surr)	*65*		*46 - 105*
Phenol-d5 (Surr)	*66*		*46 - 105*
Terphenyl-d14 (Surr)	*68*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*

Lab Sample ID: 180-162180-1 MSD
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7720	4670		ug/Kg	☼	61	50 - 100	7	20
Acenaphthylene	ND		7720	5440		ug/Kg	☼	70	52 - 100	8	20
Acetophenone	ND		7720	4730		ug/Kg	☼	61	48 - 100	4	17
Anthracene	ND		7720	5210		ug/Kg	☼	67	53 - 100	7	20
Atrazine	ND		7720	5000		ug/Kg	☼	65	49 - 103	8	19
Benzaldehyde	ND		7720	3720		ug/Kg	☼	48	23 - 105	7	31
Benzo[a]anthracene	ND		7720	5280		ug/Kg	☼	68	51 - 100	7	21
Benzo[a]pyrene	ND		7720	5240		ug/Kg	☼	68	51 - 100	9	20
Benzo[b]fluoranthene	ND		7720	4260		ug/Kg	☼	55	48 - 100	10	20
Benzo[g,h,i]perylene	ND		7720	4920		ug/Kg	☼	64	48 - 105	8	19
Benzo[k]fluoranthene	ND		7720	4600		ug/Kg	☼	60	19 - 100	7	20
1,1'-Biphenyl	ND		7720	4800		ug/Kg	☼	62	50 - 100	7	19
Bis(2-chloroethoxy)methane	ND		7720	4610		ug/Kg	☼	60	49 - 100	7	20
Bis(2-chloroethyl)ether	ND		7720	4750		ug/Kg	☼	62	48 - 100	5	18
Bis(2-ethylhexyl) phthalate	560	J	7720	7160		ug/Kg	☼	86	53 - 107	7	20
4-Bromophenyl phenyl ether	ND		7720	5060		ug/Kg	☼	66	52 - 101	7	20
Butyl benzyl phthalate	ND		7720	6690		ug/Kg	☼	87	52 - 107	7	19

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162180-1 MSD
Client Sample ID: SSHS-IRM5A2-HL
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446337
Prep Batch: 446284

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Caprolactam	ND		7720	4970		ug/Kg	☼	64	48 - 111	5	23
Carbazole	ND		7720	5320		ug/Kg	☼	69	53 - 100	6	20
4-Chloroaniline	ND		7720	4720		ug/Kg	☼	61	47 - 100	6	20
4-Chloro-3-methylphenol	ND		7720	4920		ug/Kg	☼	64	49 - 106	8	20
2-Chloronaphthalene	ND		7720	4990		ug/Kg	☼	65	51 - 100	6	20
2-Chlorophenol	ND		7720	5300		ug/Kg	☼	69	51 - 100	4	17
4-Chlorophenyl phenyl ether	ND		7720	4380		ug/Kg	☼	57	52 - 100	7	19
Chrysene	ND		7720	5120		ug/Kg	☼	66	50 - 100	8	20
Dibenz(a,h)anthracene	ND		7720	5070		ug/Kg	☼	66	50 - 107	9	21
Dibenzofuran	ND		7720	4660		ug/Kg	☼	60	52 - 100	7	19
3,3'-Dichlorobenzidine	ND		7720	4640		ug/Kg	☼	60	43 - 100	7	19
2,4-Dichlorophenol	ND		7720	4980		ug/Kg	☼	65	53 - 101	7	22
Diethyl phthalate	ND		7720	5290		ug/Kg	☼	69	48 - 104	7	20
2,4-Dimethylphenol	ND	*- F1	7720	3780	F1	ug/Kg	☼	49	51 - 101	6	32
Dimethyl phthalate	ND		7720	5150		ug/Kg	☼	67	53 - 100	7	21
Di-n-butyl phthalate	ND		7720	5490		ug/Kg	☼	71	57 - 102	7	20
4,6-Dinitro-2-methylphenol	ND		15400	9890		ug/Kg	☼	64	51 - 100	6	22
2,4-Dinitrophenol	ND		15400	8220		ug/Kg	☼	53	33 - 101	5	20
2,4-Dinitrotoluene	ND		7720	5240		ug/Kg	☼	68	54 - 104	5	20
2,6-Dinitrotoluene	ND		7720	5110		ug/Kg	☼	66	51 - 106	8	20
Di-n-octyl phthalate	ND		7720	7180		ug/Kg	☼	93	41 - 106	8	18
1,4-Dioxane	ND		7720	5190		ug/Kg	☼	67	25 - 125	4	17
Fluoranthene	ND		7720	4560		ug/Kg	☼	59	55 - 100	8	20
Fluorene	ND		7720	4650		ug/Kg	☼	60	52 - 100	8	19
Hexachlorobenzene	ND		7720	4760		ug/Kg	☼	62	49 - 100	7	20
Hexachlorobutadiene	ND		7720	4020		ug/Kg	☼	52	38 - 107	7	22
Hexachlorocyclopentadiene	ND	*- F1	7720	2130	F1	ug/Kg	☼	28	33 - 117	7	19
Hexachloroethane	ND		7720	4920		ug/Kg	☼	64	47 - 100	6	17
Indeno[1,2,3-cd]pyrene	ND		7720	5050		ug/Kg	☼	65	51 - 103	8	19
Isophorone	ND		7720	5050		ug/Kg	☼	65	48 - 105	7	20
2-Methylnaphthalene	ND		7720	4820		ug/Kg	☼	62	53 - 100	8	21
2-Methylphenol	ND		7720	4940		ug/Kg	☼	64	50 - 101	4	17
Methylphenol, 3 & 4	ND		7720	4910		ug/Kg	☼	64	50 - 103	7	19
Naphthalene	ND		7720	4670		ug/Kg	☼	61	51 - 100	8	20
2-Nitroaniline	ND		7720	5400		ug/Kg	☼	70	42 - 123	7	19
3-Nitroaniline	ND		7720	5610		ug/Kg	☼	73	50 - 103	7	20
4-Nitroaniline	ND		7720	5550		ug/Kg	☼	72	52 - 103	9	18
Nitrobenzene	ND		7720	4760		ug/Kg	☼	62	44 - 108	5	21
2-Nitrophenol	ND		7720	5560		ug/Kg	☼	72	55 - 107	7	19
4-Nitrophenol	ND		15400	10900		ug/Kg	☼	70	30 - 134	5	18
N-Nitrosodi-n-propylamine	ND		7720	4800		ug/Kg	☼	62	45 - 107	6	18
N-Nitrosodiphenylamine	ND		7720	5540		ug/Kg	☼	72	52 - 100	6	20
2,2'-oxybis[1-chloropropane]	ND		7720	4440		ug/Kg	☼	57	30 - 113	4	17
Pentachlorophenol	ND		15400	9730		ug/Kg	☼	63	42 - 110	8	20
Phenanthrene	ND		7720	4950		ug/Kg	☼	64	53 - 100	7	20
Phenol	ND		7720	4730		ug/Kg	☼	61	49 - 100	5	16
Pyrene	ND		7720	5350		ug/Kg	☼	69	52 - 100	9	20
1,2,4,5-Tetrachlorobenzene	ND		7720	4110		ug/Kg	☼	53	41 - 104	8	21
2,3,4,6-Tetrachlorophenol	ND		7720	4270		ug/Kg	☼	55	47 - 104	10	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162180-1 MSD
Matrix: Solid
Analysis Batch: 446337

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446284

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		7720	5120		ug/Kg	☼	66	50 - 104	4	21
2,4,6-Trichlorophenol	ND		7720	5080		ug/Kg	☼	66	50 - 105	8	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*57*		*44 - 105*
2-Fluorophenol (Surr)	*66*		*48 - 105*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*
Phenol-d5 (Surr)	*63*		*46 - 105*
Terphenyl-d14 (Surr)	*63*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 240-586924/1-A
Matrix: Solid
Analysis Batch: 586893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4900	2600	ug/Kg		09/12/23 14:31	09/12/23 17:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*81*		*10 - 177*	*09/12/23 14:31*	*09/12/23 17:50*	*1*

Lab Sample ID: LCS 240-586924/2-A
Matrix: Solid
Analysis Batch: 586893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586924

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			40400	35500		ug/Kg		88	73 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*85*		*10 - 177*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-586985/1-A
Matrix: Solid
Analysis Batch: 587016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10 - C28]	ND		50	35	mg/Kg		09/13/23 08:23	09/13/23 14:58	1
Oil Range Organics (C28-C40)	ND		50	35	mg/Kg		09/13/23 08:23	09/13/23 14:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*45*		*39 - 120*	*09/13/23 08:23*	*09/13/23 14:58*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 240-586985/2-A
Matrix: Solid
Analysis Batch: 587016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586985

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10 - C28]			250	179		mg/Kg		72	49 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*71*		*39 - 120*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-446283/1-C
Matrix: Solid
Analysis Batch: 446298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1221	ND		17	5.9	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1232	ND		17	4.1	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1242	ND		17	2.4	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1248	ND		17	4.0	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1254	ND		17	5.0	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1260	ND		17	4.7	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1262	ND		17	5.9	ug/Kg		09/12/23 23:20	09/13/23 15:20	1
PCB-1268	ND		17	2.2	ug/Kg		09/12/23 23:20	09/13/23 15:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*09/12/23 23:20*	*09/13/23 15:20*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*09/12/23 23:20*	*09/13/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*09/12/23 23:20*	*09/13/23 15:20*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*09/12/23 23:20*	*09/13/23 15:20*	*1*

Lab Sample ID: LCS 180-446283/2-C
Matrix: Solid
Analysis Batch: 446298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446283

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1400		ug/Kg		105	43 - 136		
PCB-1260			1330	1240		ug/Kg		93	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-162180-1 MS
Matrix: Solid
Analysis Batch: 446298

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1540	1650		ug/Kg	☼	107	43 - 136
PCB-1260	ND		1540	1640		ug/Kg	☼	106	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*

Lab Sample ID: 180-162180-1 MSD
Matrix: Solid
Analysis Batch: 446298

Client Sample ID: SSHS-IRM5A2-HL
Prep Type: Total/NA
Prep Batch: 446283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1540	1630		ug/Kg	☼	106	43 - 136	1	40
PCB-1260	ND		1540	1580		ug/Kg	☼	103	55 - 128	3	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-446254/1-A
Matrix: Solid
Analysis Batch: 446515

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	4.9	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Antimony	ND		0.98	0.30	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Arsenic	ND		0.98	0.61	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Barium	ND		20	3.5	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Beryllium	ND		0.39	0.11	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Cadmium	ND		0.49	0.072	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Calcium	ND		490	63	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Chromium	ND		0.49	0.45	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Cobalt	ND		4.9	0.69	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Iron	ND		9.8	9.5	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Lead	ND		0.98	0.85	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Nickel	ND		3.9	0.49	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Potassium	ND		490	83	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Selenium	ND		0.98	0.45	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Silver	ND		0.49	0.10	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Sodium	ND		490	50	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Thallium	ND		2.0	0.28	mg/Kg		09/13/23 06:55	09/13/23 23:37	1
Vanadium	ND		4.9	0.78	mg/Kg		09/13/23 06:55	09/13/23 23:37	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-446254/1-A
Matrix: Solid
Analysis Batch: 446515

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		2.0	1.4	mg/Kg		09/13/23 06:55	09/13/23 23:37	1

Lab Sample ID: MB 180-446254/1-A
Matrix: Solid
Analysis Batch: 446626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		2.5	1.5	mg/Kg		09/13/23 06:55	09/14/23 19:55	1
Magnesium	ND		490	54	mg/Kg		09/13/23 06:55	09/14/23 19:55	1
Manganese	ND		1.5	0.27	mg/Kg		09/13/23 06:55	09/14/23 19:55	1

Lab Sample ID: LCS 180-446254/2-A
Matrix: Solid
Analysis Batch: 446515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	463	445		mg/Kg		96	80 - 120
Antimony	23.1	22.9		mg/Kg		99	80 - 120
Arsenic	92.6	93.4		mg/Kg		101	80 - 120
Barium	92.6	90.7		mg/Kg		98	80 - 120
Beryllium	46.3	44.1		mg/Kg		95	80 - 120
Cadmium	46.3	44.3		mg/Kg		96	80 - 120
Calcium	2310	2190		mg/Kg		95	80 - 120
Chromium	46.3	44.4		mg/Kg		96	80 - 120
Cobalt	46.3	43.7		mg/Kg		94	80 - 120
Iron	463	421		mg/Kg		91	80 - 120
Lead	46.3	43.9		mg/Kg		95	80 - 120
Nickel	46.3	44.3		mg/Kg		96	80 - 120
Potassium	2310	2370		mg/Kg		103	80 - 120
Selenium	92.6	94.0		mg/Kg		102	80 - 120
Silver	23.1	22.7		mg/Kg		98	80 - 120
Sodium	2310	2400		mg/Kg		104	80 - 120
Thallium	92.6	89.1		mg/Kg		96	80 - 120
Vanadium	46.3	43.8		mg/Kg		95	80 - 120
Zinc	23.1	22.5		mg/Kg		97	80 - 120

Lab Sample ID: LCS 180-446254/2-A
Matrix: Solid
Analysis Batch: 446626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	46.3	46.6		mg/Kg		101	80 - 120
Magnesium	2310	2300		mg/Kg		99	80 - 120
Manganese	46.3	44.6		mg/Kg		96	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSD 180-446254/3-A
Matrix: Solid
Analysis Batch: 446515

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 446254

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			463	453		mg/Kg		98	80 - 120	2	20
Antimony			23.1	23.6		mg/Kg		102	80 - 120	3	20
Arsenic			92.6	93.3		mg/Kg		101	80 - 120	0	20
Barium			92.6	92.3		mg/Kg		100	80 - 120	2	20
Beryllium			46.3	44.5		mg/Kg		96	80 - 120	1	20
Cadmium			46.3	45.1		mg/Kg		97	80 - 120	2	20
Calcium			2310	2190		mg/Kg		95	80 - 120	0	20
Chromium			46.3	44.9		mg/Kg		97	80 - 120	1	20
Cobalt			46.3	44.4		mg/Kg		96	80 - 120	1	20
Iron			463	426		mg/Kg		92	80 - 120	1	20
Lead			46.3	44.5		mg/Kg		96	80 - 120	1	20
Nickel			46.3	44.9		mg/Kg		97	80 - 120	1	20
Potassium			2310	2390		mg/Kg		103	80 - 120	1	20
Selenium			92.6	94.8		mg/Kg		102	80 - 120	1	20
Silver			23.1	23.2		mg/Kg		100	80 - 120	2	20
Sodium			2310	2400		mg/Kg		104	80 - 120	0	20
Thallium			92.6	90.7		mg/Kg		98	80 - 120	2	20
Vanadium			46.3	44.4		mg/Kg		96	80 - 120	1	20
Zinc			23.1	22.6		mg/Kg		98	80 - 120	1	20

Lab Sample ID: LCSD 180-446254/3-A
Matrix: Solid
Analysis Batch: 446626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 446254

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper			46.3	47.6		mg/Kg		103	80 - 120	2	20
Magnesium			2310	2370		mg/Kg		102	80 - 120	3	20
Manganese			46.3	45.8		mg/Kg		99	80 - 120	2	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-446251/1-A
Matrix: Solid
Analysis Batch: 446380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		09/12/23 14:30	09/13/23 09:23	1

Lab Sample ID: LCS 180-446251/2-A
Matrix: Solid
Analysis Batch: 446380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446251

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.346		mg/Kg		83	80 - 120		

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-162180-1 MS
Client Sample ID: SSHS-IRM5A2-HL
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446380
Prep Batch: 446251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND	F1 F2	0.178	0.0968	F1	mg/Kg	☼	54	80 - 120		

Lab Sample ID: 180-162180-1 MSD
Client Sample ID: SSHS-IRM5A2-HL
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446380
Prep Batch: 446251

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1 F2	0.178	0.143	F2	mg/Kg	☼	80	80 - 120	39	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-162180-1 DU
Client Sample ID: SSHS-IRM5A2-HL
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446261

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.7		12.6		%		8	10
Percent Solids	86.3		87.4		%		1	10

GC/MS VOA

Analysis Batch: 446184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8260C	446223
MB 180-446184/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-446184/17	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-446184/19	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 446223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 446284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	3541	
MB 180-446284/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-446284/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	3541	
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	3541	

Analysis Batch: 446337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8270D	446284
MB 180-446284/1-A	Method Blank	Total/NA	Solid	EPA 8270D	446284
LCS 180-446284/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	446284
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8270D	446284
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8270D	446284

GC VOA

Analysis Batch: 586893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	8015D	586924
MB 240-586924/1-A	Method Blank	Total/NA	Solid	8015D	586924
LCS 240-586924/2-A	Lab Control Sample	Total/NA	Solid	8015D	586924

Prep Batch: 586924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	5035	
MB 240-586924/1-A	Method Blank	Total/NA	Solid	5035	
LCS 240-586924/2-A	Lab Control Sample	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 446283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	3541	
MB 180-446283/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-446283/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	3541	
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	3541	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

GC Semi VOA

Analysis Batch: 446298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8082A	446369
MB 180-446283/1-C	Method Blank	Total/NA	Solid	EPA 8082A	446369
LCS 180-446283/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	446369
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8082A	446369
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 8082A	446369

Cleanup Batch: 446367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	3665A	446283
MB 180-446283/1-C	Method Blank	Total/NA	Solid	3665A	446283
LCS 180-446283/2-C	Lab Control Sample	Total/NA	Solid	3665A	446283
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	3665A	446283
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	3665A	446283

Cleanup Batch: 446369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	3660B	446367
MB 180-446283/1-C	Method Blank	Total/NA	Solid	3660B	446367
LCS 180-446283/2-C	Lab Control Sample	Total/NA	Solid	3660B	446367
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	3660B	446367
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	3660B	446367

Prep Batch: 586985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	3546	
MB 240-586985/1-A	Method Blank	Total/NA	Solid	3546	
LCS 240-586985/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 587016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	8015D	586985
MB 240-586985/1-A	Method Blank	Total/NA	Solid	8015D	586985
LCS 240-586985/2-A	Lab Control Sample	Total/NA	Solid	8015D	586985

Metals

Prep Batch: 446251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	7471B	
MB 180-446251/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-446251/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	7471B	
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	7471B	

Prep Batch: 446254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	3050B	
MB 180-446254/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-446254/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 180-446254/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162180-1
Project/Site: Former Sperry Remington-Documentation

Metals

Analysis Batch: 446380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 7471B	446251
MB 180-446251/1-A	Method Blank	Total/NA	Solid	EPA 7471B	446251
LCS 180-446251/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	446251
180-162180-1 MS	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 7471B	446251
180-162180-1 MSD	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 7471B	446251

Analysis Batch: 446515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 6010C	446254
MB 180-446254/1-A	Method Blank	Total/NA	Solid	EPA 6010C	446254
LCS 180-446254/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	446254
LCSD 180-446254/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 6010C	446254

Analysis Batch: 446626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	EPA 6010C	446254
MB 180-446254/1-A	Method Blank	Total/NA	Solid	EPA 6010C	446254
LCS 180-446254/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	446254
LCSD 180-446254/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 6010C	446254

General Chemistry

Analysis Batch: 446261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162180-1	SSHS-IRM5A2-HL	Total/NA	Solid	2540G	
180-162180-1 DU	SSHS-IRM5A2-HL	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs (Add CP-51)	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	8015D GRO	8015D DRO					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SHS-IRM5A2-HL	9/11/23	1500	G	S	N	N	X	X	X	X			X	X					12	

180-162180 Chain of Custody

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9/15/2023

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Maeeda	Date/Time: 9/11/23/1600	Company: Geosyntec	Received by:	Date/Time: 9-12-23 0930	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

3.5/3.9

Chain of Custody Record

Documentation

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 1 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs (Add CP-51)	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	8015D GRO	8015D DRO					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HL	9/11/23	1500	G	S	N	N	X	X	X	X			X	X					12	

180-162180 Chain of Custody

Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months ☐

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Miranda Hall	9/11/23/1600	Geosyntec		9.12.23 0945	CETNL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

9/15/2023

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # : 180-162180**
Barberton Facility

Client Geosyntec Site Name

Cooler Received on 9-12-23 Opened on 9-12-23

Cooler unpacked by: DWR

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 19 (CF +0.4 °C) Observed Cooler Temp. 3.5 °C Corrected Cooler Temp. 3.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC312502
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No	(NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present?	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) #1 DWR 9-12-23 were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen: 9-12-23 1100 LH DWR

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162180-1

Login Number: 162180
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/15/2023 12:43:55 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162028-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-162028-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162028-2

Receipt
The samples were received on 9/8/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.6º C, 2.3º C, 3.2º C, 3.3º C and 5.8º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-28-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-23 *
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162028-1	SSHS-IRM5A2-HR-B46	Solid	09/07/23 12:15	09/08/23 09:00
180-162028-5	SSHS-IRM5A2-HR-B50	Solid	09/07/23 12:35	09/08/23 09:00
180-162028-11	SSHS-IRM5A2-HR-B55	Solid	09/07/23 13:00	09/08/23 09:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 01:05	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 01:16	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.16 g	10.0 mL	705075	09/11/23 04:41	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705437	09/13/23 01:36	RS1	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/11/23 04:41	09/13/23 01:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C5 PFPeA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C2 PFHxA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C4 PFHpA	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C4 PFOA	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C5 PFNA	*94*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C2 PFDA	*95*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C2 PFUnA	*91*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C2 PFDoA	*89*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C3 PFBS	*69*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
18O2 PFHxS	*75*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C4 PFOS	*75*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
13C8 FOSA	*95*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
M2-6:2 FTS	*53*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*
M2-8:2 FTS	*70*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:05*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.044	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.030	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.046	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.040	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.047	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.041	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.050	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.046	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
6:2 FTS	ND		0.19	0.026	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	09/11/23 04:41	09/13/23 01:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C5 PFPeA	*82*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C2 PFHxA	*83*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C4 PFHpA	*90*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C4 PFOA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C5 PFNA	*92*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C2 PFDA	*88*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C2 PFUnA	*81*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C2 PFDoA	*75*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C2 PFTeDA	*67*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C3 PFBS	*66*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
18O2 PFHxS	*74*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C4 PFOS	*69*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
13C8 FOSA	*90*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
M2-6:2 FTS	*52*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*
M2-8:2 FTS	*64*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:16*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	09/11/23 04:41	09/13/23 01:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C5 PFPeA	*85*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C2 PFHxA	*90*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C4 PFHpA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C4 PFOA	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C5 PFNA	*95*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C2 PFDA	*97*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C2 PFUnA	*87*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C2 PFDoA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C3 PFBS	*77*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
18O2 PFHxS	*83*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C4 PFOS	*81*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
13C8 FOSA	*101*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*
M2-8:2 FTS	*73*		*25 - 150*	*09/11/23 04:41*	*09/13/23 01:36*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-705075/1-A
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/11/23 04:41	09/13/23 00:04	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/11/23 04:41	09/13/23 00:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C5 PFPeA	*92*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFHxA	*96*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C4 PFHpA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C4 PFOA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C5 PFNA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFDA	*101*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFUnA	*100*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFDoA	*104*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C3 PFBS	*93*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
18O2 PFHxS	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C4 PFOS	*99*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
13C8 FOSA	*111*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
d3-NMeFOSAA	*103*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*09/11/23 04:41*	*09/13/23 00:04*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-705075/2-A
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.96		ug/Kg		98	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.16		ug/Kg		108	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.04		ug/Kg		102	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.20		ug/Kg		110	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.08		ug/Kg		104	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.07		ug/Kg		104	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.23		ug/Kg		111	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.02		ug/Kg		101	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.30		ug/Kg		115	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.07		ug/Kg		103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.86		ug/Kg		105	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.75		ug/Kg		96	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.05		ug/Kg		108	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.89		ug/Kg		102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.86		ug/Kg		96	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.18		ug/Kg		109	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.09		ug/Kg		104	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.26		ug/Kg		113	72 - 132
6:2 FTS	1.90	2.01		ug/Kg		106	73 - 139
8:2 FTS	1.92	1.95		ug/Kg		102	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*104*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*106*		*25 - 150*
13C4 PFHpA	*106*		*25 - 150*
13C4 PFOA	*107*		*25 - 150*
13C5 PFNA	*109*		*25 - 150*
13C2 PFDA	*106*		*25 - 150*
13C2 PFUnA	*109*		*25 - 150*
13C2 PFDoA	*103*		*25 - 150*
13C2 PFTeDA	*93*		*25 - 150*
13C3 PFBS	*104*		*25 - 150*
18O2 PFHxS	*106*		*25 - 150*
13C4 PFOS	*104*		*25 - 150*
13C8 FOSA	*113*		*25 - 150*
d3-NMeFOSAA	*105*		*25 - 150*
d5-NEtFOSAA	*114*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-705075/2-A
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705075

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*89*		*25 - 150*
M2-8:2 FTS	*105*		*25 - 150*

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 705075

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.02	2.16		ug/Kg	☼	107	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.02	2.29		ug/Kg	☼	114	69 - 129
Perfluorohexanoic acid (PFHxA)	ND		2.02	2.28		ug/Kg	☼	113	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.02	2.28		ug/Kg	☼	113	71 - 131
Perfluorooctanoic acid (PFOA)	ND		2.02	2.28		ug/Kg	☼	113	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.02	2.22		ug/Kg	☼	110	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.02	2.31		ug/Kg	☼	114	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.02	2.23		ug/Kg	☼	110	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.02	2.41		ug/Kg	☼	119	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.02	2.27		ug/Kg	☼	112	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.02	2.14		ug/Kg	☼	106	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.79	2.01		ug/Kg	☼	112	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		1.84	1.92		ug/Kg	☼	104	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.93	2.10		ug/Kg	☼	109	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		1.88	2.04		ug/Kg	☼	109	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		1.95	1.97		ug/Kg	☼	101	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.02	2.27		ug/Kg	☼	112	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.02	2.20		ug/Kg	☼	109	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.02	2.23		ug/Kg	☼	110	72 - 132
6:2 FTS	ND		1.92	2.27		ug/Kg	☼	118	73 - 139
8:2 FTS	ND		1.94	2.39		ug/Kg	☼	123	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*89*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*88*		*25 - 150*
13C4 PFHpA	*90*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*90*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*87*		*25 - 150*
13C2 PFDoA	*85*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 705075

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	76		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	79		25 - 150
13C4 PFOS	75		25 - 150
13C8 FOSA	91		25 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	86		25 - 150
M2-6:2 FTS	61		25 - 150
M2-8:2 FTS	64		25 - 150

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 705075

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		1.98	1.96		ug/Kg	☼	99	76 - 136	9	30
Perfluoropentanoic acid (PFPeA)	ND		1.98	2.11		ug/Kg	☼	107	69 - 129	8	30
Perfluorohexanoic acid (PFHxA)	ND		1.98	2.02		ug/Kg	☼	102	71 - 131	12	30
Perfluoroheptanoic acid (PFHpA)	ND		1.98	1.99		ug/Kg	☼	101	71 - 131	13	30
Perfluorooctanoic acid (PFOA)	ND		1.98	2.22		ug/Kg	☼	112	72 - 132	3	30
Perfluorononanoic acid (PFNA)	ND		1.98	2.10		ug/Kg	☼	106	73 - 133	5	30
Perfluorodecanoic acid (PFDA)	ND		1.98	2.24		ug/Kg	☼	113	72 - 132	3	30
Perfluoroundecanoic acid (PFUnA)	ND		1.98	2.08		ug/Kg	☼	105	66 - 126	7	30
Perfluorododecanoic acid (PFDoA)	ND		1.98	2.29		ug/Kg	☼	116	71 - 131	5	30
Perfluorotridecanoic acid (PFTriA)	ND		1.98	2.05		ug/Kg	☼	104	71 - 131	10	30
Perfluorotetradecanoic acid (PFTeA)	ND		1.98	2.04		ug/Kg	☼	103	67 - 127	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.76	1.86		ug/Kg	☼	106	69 - 129	8	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.80	1.83		ug/Kg	☼	102	62 - 122	5	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.89	1.97		ug/Kg	☼	104	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.84	1.90		ug/Kg	☼	103	68 - 141	7	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.91	1.57		ug/Kg	☼	82	71 - 131	23	30
Perfluorooctanesulfonamide (FOSA)	ND		1.98	2.14		ug/Kg	☼	108	77 - 137	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.98	2.10		ug/Kg	☼	106	72 - 132	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.98	2.07		ug/Kg	☼	104	72 - 132	7	30
6:2 FTS	ND		1.88	2.35		ug/Kg	☼	125	73 - 139	3	30
8:2 FTS	ND		1.90	2.13		ug/Kg	☼	112	75 - 135	11	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	95		25 - 150
13C5 PFPeA	86		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 705437

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 705075

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	95		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	93		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDoA	78		25 - 150
13C2 PFTeDA	73		25 - 150
13C3 PFBS	78		25 - 150
18O2 PFHxS	80		25 - 150
13C4 PFOS	81		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	74		25 - 150
d5-NEtFOSAA	84		25 - 150
M2-6:2 FTS	61		25 - 150
M2-8:2 FTS	69		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 705075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	SHAKE	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	SHAKE	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	SHAKE	
MB 320-705075/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-705075/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	SHAKE	
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	SHAKE	

Analysis Batch: 705437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	537 (modified)	705075
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	537 (modified)	705075
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	537 (modified)	705075
MB 320-705075/1-A	Method Blank	Total/NA	Solid	537 (modified)	705075
LCS 320-705075/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	705075
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	537 (modified)	705075
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	537 (modified)	705075

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	Z Miller	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B46	9/7/23	1215	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B47	9/7/23	1220	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B48	9/7/23	1225	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B49	9/7/23	1230	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B50	9/7/23	1235	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B51	9/7/23	1240	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B52	9/7/23	1245	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B53	9/7/23	1250	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B54	9/7/23	1255	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP320	9/7/23	--	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B55	9/7/23	1300	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-IRM5A2-HR-B56	9/7/23	1305	G	S	N	N	X	X	X	X									6	

180-162028 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 9/7/23/1700	Company: Geosyntec	Received by:	Date/Time: 9/8/23 0900	Company EPHNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

9/15/2023

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B57	9/7/23	1530	G	S	N	N	X	X	X	X										8	
SSHS-IRM5A2-HR-B58	9/7/23	1535	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
[signature]	9/7/23/1700	Geosyntec	[signature]	9/8/23 0900	FEDEX
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Page 20 of 25

9/15/2023

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	Z Miller 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-162028 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) PFAS	537.1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-HR-B46	9/7/23	1215	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B47	9/7/23	1220	G	S	N	N	X	X	X	X			6	
~~SSHS-IRM5A2-HR-B48~~	~~9/7/23~~	~~1225~~	~~G~~	~~S~~	~~N~~	~~N~~	~~X~~	~~X~~	~~X~~	~~X~~			~~6~~	
SSHS-IRM5A2-HR-B49	9/7/23	1230	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B50	9/7/23	1235	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B51	9/7/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B52	9/7/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B53	9/7/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B54	9/7/23	1255	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP320	9/7/23	–	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B55	9/7/23	1300	G	S	N	Y	X	X	X	X	X	X	20	
SSHS-IRM5A2-HR-B56	9/7/23	1305	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 9/7/23/1704	Company: Geosyntec	Received by:	Date/Time: 9/8/23 1030	Company: EST SNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 3.2

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-HR-B57	9/7/23	1530	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-HR-B58	9/7/23	1535	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 9/7/23/1700	Company: Geosyntec	Received by:	Date/Time: 9/8/23 1030	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.2

Ver: 01/16/2019

9/15/2023

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Sacramento Sample Receiving Notes

Loc 180
162028

Tracking # 7733 1025 2897

Job _____ _____

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID 402 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal _____

Cooler ID _____

Temp Observed 3.2 °C Corrected 3.2 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials. [illegible] Date 9/8/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials GP Date. 9823

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials. GP Date. 9823

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162028-2

Login Number: 162028
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162028-2

Login Number: 162028
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 09/08/23 02:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/21/2023 5:20:13 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161585-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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9/21/2023 5:20:13 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

Table of Contents

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Job ID: 180-161585-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161585-2

Receipt
The samples were received on 8/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.2º C, 2.4º C, 2.4º C, 2.4º C, 3.1º C, 3.3º C and 3.6º C.

LCMS
Method 537 (modified): Perfluorooctanesulfonic acid (PFOS) was detected above the reporting limit (RL) in the method blank associated with preparation batch 320-704297 and analytical batch 320-705282 as well as in the following samples: SSHS-IRM5A2-A8PH3-S45 (180-161585-2) and SSHS-IRM5A2-A8PH3-S49 (180-161585-6). Samples SSHS-IRM5A2-A8PH3-S45 (180-161585-2) and SSHS-IRM5A2-A8PH3-S49 (180-161585-6) were re-extracted 2 days past the holding time. Results of both the original and re-extractions were reported for PFOS.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	09-19-23
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	09-19-23
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Solid	08/29/23 14:30	08/30/23 09:55
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Solid	08/29/23 14:35	08/30/23 09:55
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Solid	08/29/23 14:55	08/30/23 09:55
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Solid	08/29/23 15:15	08/30/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1
Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.46 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 17:19	AP1	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2
Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 17:30	AP1	EET SAC
	Instrument ID: A18									
Total/NA	Prep	SHAKE	RE		5.40 g	10.0 mL	706056	09/14/23 04:47	SJ	EET SAC
Total/NA	Analysis	537 (modified)	RE	1	1 mL	1 mL	706812	09/16/23 15:42	K1S	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6
Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.47 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 17:41	AP1	EET SAC
	Instrument ID: A18									
Total/NA	Prep	SHAKE	RE		5.07 g	10.0 mL	706056	09/14/23 04:47	SJ	EET SAC
Total/NA	Analysis	537 (modified)	RE	1	1 mL	1 mL	706812	09/16/23 15:53	K1S	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 18:04	AP1	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

AP1 = Atchara Phanthasen

K1S = Kotechakon Sorndee

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1

Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorohexanoic acid (PFHxA)	**0.032**	**J**	0.20	0.031	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorononanoic acid (PFNA)	**0.029**	**J**	0.20	0.022	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/07/23 04:36	09/11/23 17:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C5 PFPeA	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C2 PFHxA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C4 PFHpA	*103*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C4 PFOA	*98*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C5 PFNA	*102*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C2 PFDA	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C2 PFUnA	*85*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C2 PFDoA	*79*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C3 PFBS	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
18O2 PFHxS	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C4 PFOS	*85*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
13C8 FOSA	*91*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
d3-NMeFOSAA	*48*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
d5-NEtFOSAA	*58*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:19*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2

Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.088**	**J**	0.22	0.050	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluoropentanoic acid (PFPeA)	**0.050**	**J**	0.22	0.044	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorohexanoic acid (PFHxA)	**0.096**	**J**	0.22	0.034	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.22	0.057	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorononanoic acid (PFNA)	**0.047**	**J**	0.22	0.024	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorooctanesulfonic acid (PFOS)	**0.25**	**B**	0.22	0.047	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	09/07/23 04:36	09/11/23 17:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C5 PFPeA	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C2 PFHxA	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C4 PFHpA	*95*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C4 PFOA	*102*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C5 PFNA	*95*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C2 PFDA	*98*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C2 PFUnA	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C2 PFDoA	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C3 PFBS	*88*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
18O2 PFHxS	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C4 PFOS	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
13C8 FOSA	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
d3-NMeFOSAA	*47*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
d5-NEtFOSAA	*57*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*
M2-8:2 FTS	*82*		*25 - 150*	*09/07/23 04:36*	*09/11/23 17:30*	*1*

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.28**	**H**	0.21	0.046	ug/Kg	☼	09/14/23 04:47	09/16/23 15:42	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2

Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	81		25 - 150	09/14/23 04:47	09/16/23 15:42	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6

Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluoropentanoic acid (PFPeA)	**0.064**	**J**	0.22	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorooctanoic acid (PFOA)	**0.066**	**J**	0.22	0.059	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorononanoic acid (PFNA)	**0.049**	**J**	0.22	0.024	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorooctanesulfonic acid (PFOS)	**0.26**	**B**	0.22	0.048	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	09/07/23 04:36	09/11/23 17:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C5 PFPeA	89		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C2 PFHxA	91		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C4 PFHpA	96		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C4 PFOA	104		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C5 PFNA	100		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C2 PFDA	96		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C2 PFUnA	86		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C2 PFDoA	84		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C2 PFTeDA	73		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C3 PFBS	83		25 - 150	09/07/23 04:36	09/11/23 17:41	1
18O2 PFHxS	88		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C4 PFOS	82		25 - 150	09/07/23 04:36	09/11/23 17:41	1
13C8 FOSA	93		25 - 150	09/07/23 04:36	09/11/23 17:41	1
d3-NMeFOSAA	50		25 - 150	09/07/23 04:36	09/11/23 17:41	1
d5-NEtFOSAA	56		25 - 150	09/07/23 04:36	09/11/23 17:41	1
M2-6:2 FTS	95		25 - 150	09/07/23 04:36	09/11/23 17:41	1
M2-8:2 FTS	84		25 - 150	09/07/23 04:36	09/11/23 17:41	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6

Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.33**	**H**	0.24	0.051	ug/Kg	☼	09/14/23 04:47	09/16/23 15:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*87*		*25 - 150*	*09/14/23 04:47*	*09/16/23 15:53*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10

Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorohexanoic acid (PFHxA)	**0.043**	**J**	0.23	0.036	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.044	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorooctanoic acid (PFOA)	**0.068**	**J**	0.23	0.061	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.035	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.043	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.049	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	09/07/23 04:36	09/11/23 18:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C5 PFPeA	*85*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C2 PFHxA	*95*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C4 PFHpA	*97*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C4 PFOA	*101*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C5 PFNA	*104*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C2 PFDA	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C2 PFUnA	*79*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C2 PFDoA	*81*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C2 PFTeDA	*64*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C3 PFBS	*81*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
18O2 PFHxS	*79*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C4 PFOS	*81*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*
13C8 FOSA	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 18:04*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161585-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	42		25 - 150	09/07/23 04:36	09/11/23 18:04	1
d5-NEtFOSAA	48		25 - 150	09/07/23 04:36	09/11/23 18:04	1
M2-6:2 FTS	74		25 - 150	09/07/23 04:36	09/11/23 18:04	1
M2-8:2 FTS	76		25 - 150	09/07/23 04:36	09/11/23 18:04	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-704297/1-A
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorooctanesulfonic acid (PFOS)	3.12		0.20	0.043	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorooctanesulfonamide (FOSA)	0.0477	J	0.20	0.033	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/07/23 04:36	09/11/23 16:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C5 PFPeA	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFHxA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C4 PFHpA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C4 PFOA	*104*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C5 PFNA	*105*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFDA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFUnA	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFDoA	*81*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C3 PFBS	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
18O2 PFHxS	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C4 PFOS	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C8 FOSA	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
d3-NMeFOSAA	*48*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
d5-NEtFOSAA	*58*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-704297/2-A
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.97		ug/Kg		98	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.76		ug/Kg		88	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.83		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.90		ug/Kg		95	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.03		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.81		ug/Kg		91	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.91		ug/Kg		95	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.01		ug/Kg		101	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.85		ug/Kg		92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.92		ug/Kg		96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.63		ug/Kg		92	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.80		ug/Kg		94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.76		ug/Kg		95	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.51		ug/Kg		78	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.85		ug/Kg		92	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.97		ug/Kg		99	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.91		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.87		ug/Kg		98	73 - 139
8:2 FTS	1.92	1.77		ug/Kg		92	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*98*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*104*		*25 - 150*
13C4 PFHpA	*110*		*25 - 150*
13C4 PFOA	*114*		*25 - 150*
13C5 PFNA	*114*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*97*		*25 - 150*
13C2 PFDoA	*99*		*25 - 150*
13C2 PFTeDA	*91*		*25 - 150*
13C3 PFBS	*107*		*25 - 150*
18O2 PFHxS	*103*		*25 - 150*
13C4 PFOS	*106*		*25 - 150*
13C8 FOSA	*101*		*25 - 150*
d3-NMeFOSAA	*61*		*25 - 150*
d5-NEtFOSAA	*66*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-704297/2-A
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704297

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	*100*		*25 - 150*
M2-8:2 FTS	*104*		*25 - 150*

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 704297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	ND		2.22	2.14		ug/Kg	☼	96	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		2.22	2.34		ug/Kg	☼	105	69 - 129
Perfluorohexanoic acid (PFHxA)	0.043	J	2.22	2.35		ug/Kg	☼	104	71 - 131
Perfluoroheptanoic acid (PFHpA)	ND		2.22	2.19		ug/Kg	☼	98	71 - 131
Perfluorooctanoic acid (PFOA)	0.068	J	2.22	2.19		ug/Kg	☼	96	72 - 132
Perfluorononanoic acid (PFNA)	ND		2.22	2.55		ug/Kg	☼	115	73 - 133
Perfluorodecanoic acid (PFDA)	ND		2.22	2.35		ug/Kg	☼	106	72 - 132
Perfluoroundecanoic acid (PFUnA)	ND		2.22	2.43		ug/Kg	☼	109	66 - 126
Perfluorododecanoic acid (PFDoA)	ND		2.22	2.35		ug/Kg	☼	105	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		2.22	2.00		ug/Kg	☼	90	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		2.22	2.31		ug/Kg	☼	104	67 - 127
Perfluorobutanesulfonic acid (PFBS)	ND		1.98	1.92		ug/Kg	☼	97	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	ND		2.03	1.98		ug/Kg	☼	97	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.12	2.20		ug/Kg	☼	104	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		2.07	2.19		ug/Kg	☼	106	68 - 141
Perfluorodecanesulfonic acid (PFDS)	ND		2.14	1.72		ug/Kg	☼	80	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		2.22	2.26		ug/Kg	☼	102	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.22	2.43		ug/Kg	☼	109	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.22	2.17		ug/Kg	☼	98	72 - 132
6:2 FTS	ND		2.12	2.12		ug/Kg	☼	100	73 - 139
8:2 FTS	ND		2.14	2.04		ug/Kg	☼	96	75 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	*92*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*100*		*25 - 150*
13C4 PFOA	*106*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*90*		*25 - 150*
13C2 PFUnA	*77*		*25 - 150*
13C2 PFDoA	*82*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 704297

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFTeDA	65		25 - 150
13C3 PFBS	87		25 - 150
18O2 PFHxS	84		25 - 150
13C4 PFOS	84		25 - 150
13C8 FOSA	84		25 - 150
d3-NMeFOSAA	43		25 - 150
d5-NEtFOSAA	51		25 - 150
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	78		25 - 150

Lab Sample ID: 180-161585-10 MSD
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 704297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		2.24	2.38		ug/Kg	☼	106	76 - 136	11	30
Perfluoropentanoic acid (PFPeA)	ND		2.24	2.21		ug/Kg	☼	99	69 - 129	6	30
Perfluorohexanoic acid (PFHxA)	0.043	J	2.24	2.28		ug/Kg	☼	100	71 - 131	3	30
Perfluoroheptanoic acid (PFHpA)	ND		2.24	2.25		ug/Kg	☼	101	71 - 131	3	30
Perfluorooctanoic acid (PFOA)	0.068	J	2.24	2.50		ug/Kg	☼	109	72 - 132	13	30
Perfluorononanoic acid (PFNA)	ND		2.24	2.45		ug/Kg	☼	109	73 - 133	4	30
Perfluorodecanoic acid (PFDA)	ND		2.24	2.18		ug/Kg	☼	97	72 - 132	8	30
Perfluoroundecanoic acid (PFUnA)	ND		2.24	2.28		ug/Kg	☼	102	66 - 126	6	30
Perfluorododecanoic acid (PFDoA)	ND		2.24	2.66		ug/Kg	☼	119	71 - 131	13	30
Perfluorotridecanoic acid (PFTriA)	ND		2.24	2.15		ug/Kg	☼	96	71 - 131	7	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.24	2.23		ug/Kg	☼	100	67 - 127	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.99	2.03		ug/Kg	☼	102	69 - 129	6	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.04	1.94		ug/Kg	☼	95	62 - 122	2	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.14	2.16		ug/Kg	☼	101	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		2.08	2.11		ug/Kg	☼	101	68 - 141	4	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.16	1.82		ug/Kg	☼	84	71 - 131	6	30
Perfluorooctanesulfonamide (FOSA)	ND		2.24	2.38		ug/Kg	☼	106	77 - 137	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.24	2.44		ug/Kg	☼	109	72 - 132	0	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.24	2.26		ug/Kg	☼	101	72 - 132	4	30
6:2 FTS	ND		2.13	2.04		ug/Kg	☼	96	73 - 139	4	30
8:2 FTS	ND		2.15	2.40		ug/Kg	☼	112	75 - 135	16	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	84		25 - 150
13C5 PFPeA	93		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 180-161585-10 MSD
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 704297

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFHxA	94		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	93		25 - 150
13C2 PFUnA	80		25 - 150
13C2 PFDoA	77		25 - 150
13C2 PFTeDA	74		25 - 150
13C3 PFBS	79		25 - 150
18O2 PFHxS	80		25 - 150
13C4 PFOS	83		25 - 150
13C8 FOSA	83		25 - 150
d3-NMeFOSAA	45		25 - 150
d5-NEtFOSAA	51		25 - 150
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	74		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances - RE

Lab Sample ID: MB 320-706056/1-A
Matrix: Solid
Analysis Batch: 706812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS) - RE	ND		0.20	0.043	ug/Kg		09/14/23 04:47	09/16/23 14:57	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS - RE	102		25 - 150	09/14/23 04:47	09/16/23 14:57	1

Lab Sample ID: LCS 320-706056/2-A
Matrix: Solid
Analysis Batch: 706812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706056

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorooctanesulfonic acid (PFOS) - RE			1.86	2.03		ug/Kg		109	68 - 141		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFOS - RE	101		25 - 150

LCMS

Prep Batch: 704297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	SHAKE	
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	SHAKE	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	SHAKE	
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	SHAKE	
MB 320-704297/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-704297/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	SHAKE	
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	SHAKE	

Analysis Batch: 705282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	537 (modified)	704297
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	537 (modified)	704297
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	537 (modified)	704297
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	537 (modified)	704297
MB 320-704297/1-A	Method Blank	Total/NA	Solid	537 (modified)	704297
LCS 320-704297/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	704297
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	537 (modified)	704297
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	537 (modified)	704297

Prep Batch: 706056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-2 - RE	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	SHAKE	
180-161585-6 - RE	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	SHAKE	
MB 320-706056/1-A - RE	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-706056/2-A - RE	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 706812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-2 - RE	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	537 (modified)	706056
180-161585-6 - RE	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	537 (modified)	706056
MB 320-706056/1-A - RE	Method Blank	Total/NA	Solid	537 (modified)	706056
LCS 320-706056/2-A - RE	Lab Control Sample	Total/NA	Solid	537 (modified)	706056

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC2

eurofins

Client Information	Sampler: Z MILLER/ A WESS	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.		Analysis Requested		Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Preservation Codes:
City: Columbia	TAT Requested (days): STANDARD			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			Other:
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-B22	8/29/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S45	8/29/23	1435	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S46	8/29/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S47	8/29/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S48	8/29/23	1450	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S49	8/29/23	1455	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-B23	8/29/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B24	8/29/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B25	8/29/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B26	8/29/23	1515	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-IRM5A2-A8PH3-B27	8/29/23	1520	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP315	8/29/23	–	G	S	N	N	X	X	X	X									6	

180-161585 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	8/29/23 18:00	Geosyntec	[illegible]	8/30/23 09:55	EPI-TANE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s).	COC No
Client Contact: Mr. Aron Krasnopoler	Z Miller/ A Wess	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S50	8/29/23	1525	G	S	N	N	X	X	X	X									6	

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9/21/2023

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 09:55	EPIANE
2						
3						

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC2

eurofins

Client Information	Sampler: Z MILLER/ A WESS	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-161585 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-B22	8/29/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S45	8/29/23	1435	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S46	8/29/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S47	8/29/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S48	8/29/23	1450	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S49	8/29/23	1455	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-B23	8/29/23	1500	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B24	8/29/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B25	8/29/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B26	8/29/23	1515	G	S	N	Y	X	X	X	X	X	X	20	
SSHS-IRM5A2-A8PH3-B27	8/29/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP315	8/29/23		G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 1015	GEL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr Aron Krasnopoler	Z Miller/ A Wess	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S50	8/29/23	1525	G	S	N	N	X	X	X	X									6	

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9/21/2023

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	8/29/23 1800	Geosyntec		8/30/23 1015	TestAmerica
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

eurofins

Sacramento Sample Receiving Notes (SSRN)

Loc 180
161585

Tracking # 7732 2651 7455

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID 102 Corr Factor (+/-) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed. 2.4 °C Corrected: 2.4 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MM Date: 8/30/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SP Date: 83023

Notes: _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: SP Date: 8-30-23



180-161585 Field Sheet

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
FOURTH FLOOR
ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 29AUG23
ACTWGT: 50.00 LB
CAD: 252144956/INET4535
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832L
INV: 02
PO: 01 DEPT: 1751

583J57584/9AE3

FedEx Express

WED - 30 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7732 2651 7455

XW BLUA

95605
CA-US SMF

RT 362 1
FZ 10 30 F
7455
08 30

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161585-2

Login Number: 161585
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161585-2

Login Number: 161585
List Number: 2
Creator: Medeiros, Ryan M

List Source: Eurofins Sacramento
List Creation: 08/30/23 06:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 9/30/2023 8:39:43 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161584-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
9/30/2023 8:39:43 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-161584-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161584-2

Receipt
The samples were received on 8/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.2º C, 2.4º C, 2.4º C, 2.4º C, 3.1º C, 3.3º C and 3.6º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits for the following sample: SSHS-IRM5A2-A8PH3-S40 (180-161584-11). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

Method 537 (modified): The method blank for preparation batch 320-704297 (MB 320-704297/1-A) contained Perfluorooctanesulfonic acid (PFOS) above the reporting limit (RL). Sample SSHS-IRM5A2-A8PH3-S31 did not contain Perfluorooctanesulfonic acid (PFOS) and was therefore reported. Samples SSHS-IRM5A2-A8PH3-S35 (180-161584-6) and SSHS-IRM5A2-A8PH3-S40 (180-161584-11) did contain Perfluorooctanesulfonic acid (PFOS) and were re-extracted. The re-extractions were completed 2 days past the 14 day holding time. Results of both the original and re-extractions were reported for Perfluorooctanesulfonic acid (PFOS).

Method 537 (modified): Results for the re-extracted sample SSHS-IRM5A2-A8PH3-S40 (180-161584-11) were reported from the analysis of a diluted extract due to the high concentration of Perfluorooctanesulfonic acid (PFOS) in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): There was a significant difference in the Perfluorooctanesulfonic acid (PFOS) concentrations reported for the initial extraction and the re-extraction of sample SSHS-IRM5A2-A8PH3-S40 (180-161584-11). The sample was re-extracted a third time, with results matching the reported re-extraction.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	09-19-23
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	09-19-23
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Solid	08/29/23 13:00	08/30/23 09:55
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Solid	08/29/23 13:20	08/30/23 09:55
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Solid	08/29/23 13:45	08/30/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1
Date Collected: 08/29/23 13:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.16 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 16:45	AP1	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 16:57	AP1	EET SAC
	Instrument ID: A18									
Total/NA	Prep	SHAKE	RE		5.19 g	10.0 mL	706056	09/14/23 04:47	SJ	EET SAC
Total/NA	Analysis	537 (modified)	RE	1	1 mL	1 mL	706812	09/16/23 15:19	K1S	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.0 mL	704297	09/07/23 04:36	SJ	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	705282	09/11/23 17:08	AP1	EET SAC
	Instrument ID: A18									
Total/NA	Prep	SHAKE	RE		5.28 g	10.0 mL	706056	09/14/23 04:47	SJ	EET SAC
Total/NA	Analysis	537 (modified)	RE	5	1 mL	1 mL	707106	09/18/23 19:41	RS1	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

SJ = Serena Johnson

Batch Type: Analysis

AP1 = Atchara Phanthasen

K1S = Kotechakon Sorndee

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1
Date Collected: 08/29/23 13:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 89.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.050	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.044	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.033	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.057	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.024	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.052	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.045	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.032	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.040	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.031	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.056	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.052	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
6:2 FTS	ND		0.22	0.029	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	09/07/23 04:36	09/11/23 16:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C5 PFPeA	*91*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C2 PFHxA	*95*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C4 PFHpA	*107*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C4 PFOA	*111*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C5 PFNA	*109*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C2 PFDA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C2 PFUnA	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C2 PFDoA	*97*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C3 PFBS	*91*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
18O2 PFHxS	*91*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C4 PFOS	*94*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
13C8 FOSA	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
d3-NMeFOSAA	*60*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
d5-NEtFOSAA	*62*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:45*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.18**	**J**	0.24	0.055	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluoropentanoic acid (PFPeA)	**0.099**	**J**	0.24	0.049	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorohexanoic acid (PFHxA)	**0.073**	**J**	0.24	0.037	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluoroheptanoic acid (PFHpA)	**0.072**	**J**	0.24	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorooctanoic acid (PFOA)	**0.21**	**J**	0.24	0.064	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorononanoic acid (PFNA)	**0.14**	**J**	0.24	0.026	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorodecanoic acid (PFDA)	**0.097**	**J**	0.24	0.058	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluoroundecanoic acid (PFUnA)	**0.094**	**J**	0.24	0.050	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorododecanoic acid (PFDoA)	**0.040**	**J**	0.24	0.036	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorotridecanoic acid (PFTriA)	**0.027**	**J**	0.24	0.025	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.059	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.94**	**B**	0.24	0.052	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.062	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.028	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.058	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	09/07/23 04:36	09/11/23 16:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C5 PFPeA	*81*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C2 PFHxA	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C4 PFHpA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C4 PFOA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C5 PFNA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C2 PFDA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C2 PFUnA	*85*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C2 PFDoA	*86*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C3 PFBS	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
18O2 PFHxS	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C4 PFOS	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
13C8 FOSA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
d3-NMeFOSAA	*51*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
d5-NEtFOSAA	*62*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
M2-6:2 FTS	*94*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:57*	*1*

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.72**	**H**	0.25	0.053	ug/Kg	☼	09/14/23 04:47	09/16/23 15:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	90		25 - 150	09/14/23 04:47	09/16/23 15:19	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.22	0.051	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluoropentanoic acid (PFPeA)	**0.058**	**J**	0.22	0.045	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorohexanoic acid (PFHxA)	**0.085**	**J**	0.22	0.034	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluoroheptanoic acid (PFHpA)	**0.069**	**J**	0.22	0.042	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorooctanoic acid (PFOA)	**0.42**		0.22	0.059	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorononanoic acid (PFNA)	**0.077**	**J**	0.22	0.024	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorooctanesulfonic acid (PFOS)	**4.6**	**B**	0.22	0.048	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**0.057**	**J I**	0.22	0.053	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	09/07/23 04:36	09/11/23 17:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C5 PFPeA	92		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C2 PFHxA	87		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C4 PFHpA	100		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C4 PFOA	103		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C5 PFNA	101		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C2 PFDA	94		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C2 PFUnA	84		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C2 PFDoA	78		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C2 PFTeDA	74		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C3 PFBS	85		25 - 150	09/07/23 04:36	09/11/23 17:08	1
18O2 PFHxS	84		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C4 PFOS	85		25 - 150	09/07/23 04:36	09/11/23 17:08	1
13C8 FOSA	87		25 - 150	09/07/23 04:36	09/11/23 17:08	1
d3-NMeFOSAA	49		25 - 150	09/07/23 04:36	09/11/23 17:08	1
d5-NEtFOSAA	57		25 - 150	09/07/23 04:36	09/11/23 17:08	1
M2-6:2 FTS	89		25 - 150	09/07/23 04:36	09/11/23 17:08	1
M2-8:2 FTS	84		25 - 150	09/07/23 04:36	09/11/23 17:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	28	H	1.1	0.23	ug/Kg	☼	09/14/23 04:47	09/18/23 19:41	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*76*		*25 - 150*	*09/14/23 04:47*	*09/18/23 19:41*	*5*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-704297/1-A
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorooctanesulfonic acid (PFOS)	3.12		0.20	0.043	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
Perfluorooctanesulfonamide (FOSA)	0.0477	J	0.20	0.033	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/07/23 04:36	09/11/23 16:23	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/07/23 04:36	09/11/23 16:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C5 PFPeA	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFHxA	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C4 PFHpA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C4 PFOA	*104*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C5 PFNA	*105*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFDA	*99*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFUnA	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFDoA	*81*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C3 PFBS	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
18O2 PFHxS	*92*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C4 PFOS	*93*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
13C8 FOSA	*90*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
d3-NMeFOSAA	*48*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
d5-NEtFOSAA	*58*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*09/07/23 04:36*	*09/11/23 16:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-704297/2-A
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.97		ug/Kg		98	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.76		ug/Kg		88	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.83		ug/Kg		91	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.90		ug/Kg		95	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.83		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.03		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.81		ug/Kg		91	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.91		ug/Kg		95	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.01		ug/Kg		101	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.85		ug/Kg		92	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.92		ug/Kg		96	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.63		ug/Kg		92	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.80		ug/Kg		94	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.76		ug/Kg		95	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.51		ug/Kg		78	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.85		ug/Kg		92	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.97		ug/Kg		99	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.91		ug/Kg		96	72 - 132
6:2 FTS	1.90	1.87		ug/Kg		98	73 - 139
8:2 FTS	1.92	1.77		ug/Kg		92	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*98*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*104*		*25 - 150*
13C4 PFHpA	*110*		*25 - 150*
13C4 PFOA	*114*		*25 - 150*
13C5 PFNA	*114*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*97*		*25 - 150*
13C2 PFDoA	*99*		*25 - 150*
13C2 PFTeDA	*91*		*25 - 150*
13C3 PFBS	*107*		*25 - 150*
18O2 PFHxS	*103*		*25 - 150*
13C4 PFOS	*106*		*25 - 150*
13C8 FOSA	*101*		*25 - 150*
d3-NMeFOSAA	*61*		*25 - 150*
d5-NEtFOSAA	*66*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-704297/2-A
Matrix: Solid
Analysis Batch: 705282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704297

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*100*		*25 - 150*
M2-8:2 FTS	*104*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances - RE

Lab Sample ID: MB 320-706056/1-A
Matrix: Solid
Analysis Batch: 706812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS) - RE	ND		0.20	0.043	ug/Kg		09/14/23 04:47	09/16/23 14:57	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS - RE	*102*		*25 - 150*	*09/14/23 04:47*	*09/16/23 14:57*	*1*

Lab Sample ID: LCS 320-706056/2-A
Matrix: Solid
Analysis Batch: 706812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS) - RE	1.86	2.03		ug/Kg		109	68 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFOS - RE	*101*		*25 - 150*

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 704297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	SHAKE	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	SHAKE	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	SHAKE	
MB 320-704297/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-704297/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 705282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	537 (modified)	704297
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	537 (modified)	704297
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	537 (modified)	704297
MB 320-704297/1-A	Method Blank	Total/NA	Solid	537 (modified)	704297
LCS 320-704297/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	704297

Prep Batch: 706056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-6 - RE	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	SHAKE	
180-161584-11 - RE	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	SHAKE	
MB 320-706056/1-A - RE	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-706056/2-A - RE	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 706812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-6 - RE	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	537 (modified)	706056
MB 320-706056/1-A - RE	Method Blank	Total/NA	Solid	537 (modified)	706056
LCS 320-706056/2-A - RE	Lab Control Sample	Total/NA	Solid	537 (modified)	706056

Analysis Batch: 707106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-11 - RE	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	537 (modified)	706056

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S31	8/29/23	1300	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S32	8/29/23	1305	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S33	8/29/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S34	8/29/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP313	8/29/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S35	8/29/23	1320	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S36	8/29/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S37	8/29/23	1330	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S38	8/29/23	1335	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-A8PH3-S39	8/29/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S40	8/29/23	1345	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S41	8/29/23	1350	G	S	N	N	X	X	X	X			6	

180-161584 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by: [signature]	Date/Time: 8/30/23 09:55	Company: EPITNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): STANDARD
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S42	8/29/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S43	8/29/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S44	8/29/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP314	8/29/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B18	8/29/23	1410	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-A8PH3-B19	8/29/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B20	8/29/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B21	8/29/23	1425	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by:	Date/Time: 8/30/23 09.55	Company: EPITANE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-161584 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S31	8/29/23	1300	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S32	8/29/23	1305	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S33	8/29/23	1310	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S34	8/29/23	1315	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP313	8/29/23		G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S35	8/29/23	1320	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S36	8/29/23	1325	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S37	8/29/23	1330	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S38	8/29/23	1335	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-A8PH3-S39	8/29/23	1340	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S40	8/29/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S41	8/29/23	1350	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by:	Date/Time: 8/30/23 1005	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S42	8/29/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S43	8/29/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S44	8/29/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP314	8/29/23		G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B18	8/29/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B19	8/29/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B20	8/29/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B21	8/29/23	1425	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 1015	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver: 01/16/2019

eurofins

Sacramento Sample Receiving Notes (SSRN)

Loc 180
161584

Tracking # 7732 2651 7455

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID: L02 Corr Factor (+/-) _____°C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed 2.4 °C Corrected: 2.4 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MM Date: 9/30/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 8-30-23

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: SD Date: 8-30-23

WR3 27A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161584-2

Login Number: 161584
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161584-2

Login Number: 161584
List Number: 2
Creator: Medeiros, Ryan M

List Source: Eurofins Sacramento
List Creation: 08/30/23 06:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/5/2023 8:30:24 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162918-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
10/5/2023 8:30:24 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

Table of Contents

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QC Sample Results 14
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Field Data Sheets 20
Receipt Checklists 21

Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-162918-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162918-2

Receipt
The samples were received on 9/23/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.7º C and 3.7º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Solid	09/22/23 15:00	09/23/23 09:55
180-162918-5	SSHS-ISMP-NAF-EL-S2	Solid	09/22/23 15:20	09/23/23 09:55
180-162918-9	SSHS-ISMP-NAF-EL-B2	Solid	09/22/23 16:00	09/23/23 09:55
180-162918-10	SSHS-ISMP-DUP23A	Solid	09/22/23 00:00	09/23/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/02/23 22:49	S1C	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.47 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/02/23 23:11	S1C	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9
Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/02/23 23:22	S1C	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/02/23 23:34	S1C	EET SAC
	Instrument ID: A18									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

S1C = Sudarat Chanprathad

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.28**		0.24	0.054	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluoropentanoic acid (PFPeA)	**0.16**	**J**	0.24	0.048	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorohexanoic acid (PFHxA)	**0.15**	**J B**	0.24	0.037	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluoroheptanoic acid (PFHpA)	**0.11**	**J**	0.24	0.045	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorooctanoic acid (PFOA)	**0.53**		0.24	0.063	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorononanoic acid (PFNA)	**0.11**	**J**	0.24	0.026	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.057	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.050	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.035	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.045	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.034	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.058	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorooctanesulfonic acid (PFOS)	**0.96**		0.24	0.051	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.061	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.039	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.027	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.057	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
6:2 FTS	**0.033**	**J**	0.24	0.032	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1
8:2 FTS	ND		0.24	0.041	ug/Kg	☼	09/27/23 18:54	10/02/23 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C5 PFPeA	*78*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C2 PFHxA	*76*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C4 PFHpA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C4 PFOA	*82*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C5 PFNA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C2 PFDA	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C2 PFUnA	*89*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C2 PFDoA	*90*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C3 PFBS	*73*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
18O2 PFHxS	*81*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C4 PFOS	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
13C8 FOSA	*98*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
M2-6:2 FTS	*64*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*09/27/23 18:54*	*10/02/23 22:49*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5

Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.045	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.040	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorohexanoic acid (PFHxA)	**0.056**	**J B**	0.19	0.030	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.037	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.051	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.021	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.047	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.041	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.029	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.020	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.036	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.037	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.028	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.048	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorooctanesulfonic acid (PFOS)	**0.046**	**J**	0.19	0.042	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.051	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.032	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.022	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.047	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
6:2 FTS	**0.029**	**J**	0.19	0.026	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1
8:2 FTS	ND		0.19	0.034	ug/Kg	☼	09/27/23 18:54	10/02/23 23:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*44*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C5 PFPeA	*74*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C2 PFHxA	*75*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C4 PFHpA	*83*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C4 PFOA	*80*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C5 PFNA	*80*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C2 PFDA	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C2 PFUnA	*87*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C2 PFDoA	*88*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C3 PFBS	*60*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
18O2 PFHxS	*67*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C4 PFOS	*74*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
13C8 FOSA	*95*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
M2-6:2 FTS	*63*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:11*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9

Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorohexanoic acid (PFHxA)	**0.039**	**J B**	0.20	0.032	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorooctanesulfonic acid (PFOS)	**0.047**	**J**	0.20	0.044	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
6:2 FTS	**0.029**	**J**	0.20	0.028	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	09/27/23 18:54	10/02/23 23:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*59*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C5 PFPeA	*87*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C2 PFHxA	*78*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C4 PFHpA	*92*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C4 PFOA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C5 PFNA	*93*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C2 PFDA	*88*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C2 PFUnA	*99*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C2 PFDoA	*92*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C3 PFBS	*71*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
18O2 PFHxS	*77*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C4 PFOS	*83*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
13C8 FOSA	*105*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J B**	0.20	0.031	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
6:2 FTS	**0.029**	**J**	0.20	0.027	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/27/23 18:54	10/02/23 23:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*59*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C5 PFPeA	*83*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C2 PFHxA	*80*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C4 PFHpA	*92*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C4 PFOA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C5 PFNA	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C2 PFDA	*92*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C2 PFUnA	*102*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C2 PFDoA	*102*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C3 PFBS	*65*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
18O2 PFHxS	*70*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C4 PFOS	*80*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
13C8 FOSA	*98*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*
M2-8:2 FTS	*76*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:34*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-709411/1-A
Matrix: Solid
Analysis Batch: 710425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorohexanoic acid (PFHxA)	0.0394	J	0.20	0.031	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/27/23 18:54	10/02/23 21:19	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*43*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C5 PFPeA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFHxA	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C4 PFHpA	*94*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C4 PFOA	*86*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C5 PFNA	*95*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFDA	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFUnA	*105*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFDoA	*99*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFTeDA	*111*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C3 PFBS	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
18O2 PFHxS	*89*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C4 PFOS	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C8 FOSA	*104*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-709411/2-A
Matrix: Solid
Analysis Batch: 710425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.07		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.00		ug/Kg		100	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.02		ug/Kg		101	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.97		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.12		ug/Kg		106	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.09		ug/Kg		105	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.13		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.31		ug/Kg		116	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.27		ug/Kg		114	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.14		ug/Kg		107	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.63		ug/Kg		92	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.83		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.88		ug/Kg		98	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.79		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.76		ug/Kg		91	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.06		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.20		ug/Kg		110	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.01		ug/Kg		100	72 - 132
6:2 FTS	1.90	1.82		ug/Kg		96	73 - 139
8:2 FTS	1.92	2.16		ug/Kg		113	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*48*		*25 - 150*
13C5 PFPeA	*81*		*25 - 150*
13C2 PFHxA	*80*		*25 - 150*
13C4 PFHpA	*90*		*25 - 150*
13C4 PFOA	*85*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*93*		*25 - 150*
13C2 PFUnA	*103*		*25 - 150*
13C2 PFDoA	*94*		*25 - 150*
13C2 PFTeDA	*110*		*25 - 150*
13C3 PFBS	*86*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*90*		*25 - 150*
13C8 FOSA	*104*		*25 - 150*
d3-NMeFOSAA	*89*		*25 - 150*
d5-NEtFOSAA	*103*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-709411/2-A
Matrix: Solid
Analysis Batch: 710425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709411

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	86		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 709411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	SHAKE	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	SHAKE	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	SHAKE	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	SHAKE	
MB 320-709411/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-709411/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 710425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	537 (modified)	709411
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	537 (modified)	709411
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	537 (modified)	709411
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	537 (modified)	709411
MB 320-709411/1-A	Method Blank	Total/NA	Solid	537 (modified)	709411
LCS 320-709411/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	709411

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-LP2-S1	9/22/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LP2-S2	9/22/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LP2-B1	9/22/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-S1	9/22/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-S2	9/22/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-EL-S3	9/22/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-S4	9/22/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-B1	9/22/23	1555	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-EL-B2	9/22/23	1600	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-DUP23A	9/22/23	-	G	S	N	N	X	X	X	X	X	X							8	

180-162918 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Mrauch Stelmach	9/22/23 1800	Geosyntec		9/23/23 0955	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr Aron Krasnopoler	M Stelmach 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180 162918 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	3270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-LP2-S1	9/22/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LP2-S2	9/22/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LP2-B1	9/22/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S1	9/22/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S2	9/22/23	1520	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-EL-S3	9/22/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S4	9/22/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-B1	9/22/23	1555	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-EL-B2	9/22/23	1600	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP23A	9/22/23		G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	9/22/23/1800	Geosyntec	[signature]	9/23/23-845	EDSR
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 21632202 | Cooler Temperature(s) °C and Other Remarks: 3.7°C

Ver: 01/16/2019

eurofins | Environment Testing

Sacramento
Sample Receiving Notes

180 162918 Field Sheet

Tracking # 7734-6574-9003

Job.

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID L-11 Corr Factor (+ /) 0 °C

Ice ✓ Wet ✓ Gel Other

Cooler Custody Seal 2163202

Cooler ID —

Temp Observed 3.7 °C Corrected 3.7 °C

From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☑	☐

Initials. JL Date. 9/23/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials. DM Date. 09/23/23

Notes.

Trizma Lot #(s)

Ammonium Acetate Lot #(s)

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials. DM Date. 09/23/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162918-2

Login Number: 162918
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162918-2

Login Number: 162918
List Number: 2
Creator: Morazzini, Dominic S

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2163202
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/5/2023 8:47:38 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162987-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-162987-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162987-2

Receipt
The samples were received on 9/26/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 2.2º C.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA0004	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-19-13	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442021-12	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162987-1	SSHS-ISMP-NAF-EL-S5	Solid	09/25/23 14:00	09/26/23 09:25
180-162987-5	SSHS-ISMP-NAF-EL-B3	Solid	09/25/23 14:20	09/26/23 09:25
180-162987-6	SSHS-ISMP-DUP24A	Solid	09/25/23 00:00	09/26/23 09:25

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1
Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.28 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/02/23 23:56	S1C	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/03/23 00:07	S1C	EET SAC
	Instrument ID: A18									

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.0 mL	709411	09/27/23 18:54	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	710425	10/03/23 00:18	S1C	EET SAC
	Instrument ID: A18									

Laboratory References:
EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:
Lab: EET SAC
Batch Type: Prep
AM = Andrew Martin
Batch Type: Analysis
S1C = Sudarat Chanprathad

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1

Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluoropentanoic acid (PFPeA)	**0.13**	**J**	0.20	0.041	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorohexanoic acid (PFHxA)	**0.14**	**J B**	0.20	0.031	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorooctanesulfonic acid (PFOS)	**0.095**	**J**	0.20	0.043	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
6:2 FTS	**0.029**	**J**	0.20	0.027	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	09/27/23 18:54	10/02/23 23:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*56*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C5 PFPeA	*82*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C2 PFHxA	*78*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C4 PFHpA	*90*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C4 PFOA	*88*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C5 PFNA	*89*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C2 PFDA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C2 PFUnA	*99*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C2 PFDoA	*100*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C3 PFBS	*69*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
18O2 PFHxS	*76*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C4 PFOS	*80*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
13C8 FOSA	*101*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
M2-6:2 FTS	*70*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*09/27/23 18:54*	*10/02/23 23:56*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5

Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.049	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluoropentanoic acid (PFPeA)	**0.044**	**J**	0.21	0.044	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorohexanoic acid (PFHxA)	**0.051**	**J B**	0.21	0.033	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.041	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.057	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.024	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.051	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.045	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.032	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.023	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.040	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.041	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.031	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.053	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.046	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.056	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.035	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.025	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.051	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
6:2 FTS	ND		0.21	0.029	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1
8:2 FTS	ND		0.21	0.038	ug/Kg	☼	09/27/23 18:54	10/03/23 00:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*37*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C5 PFPeA	*76*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C2 PFHxA	*76*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C4 PFHpA	*89*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C4 PFOA	*83*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C5 PFNA	*89*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C2 PFDA	*90*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C2 PFUnA	*95*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C2 PFDoA	*92*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C3 PFBS	*70*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
18O2 PFHxS	*82*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C4 PFOS	*83*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
13C8 FOSA	*102*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:07*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6

Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluoropentanoic acid (PFPeA)	**0.047**	**J**	0.20	0.042	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorohexanoic acid (PFHxA)	**0.041**	**J B**	0.20	0.032	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.054	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.044	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	09/27/23 18:54	10/03/23 00:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C5 PFPeA	*89*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C2 PFHxA	*83*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C4 PFHpA	*92*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C4 PFOA	*90*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C5 PFNA	*96*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C2 PFDA	*93*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C2 PFUnA	*102*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C2 PFDoA	*104*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C3 PFBS	*75*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
18O2 PFHxS	*84*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C4 PFOS	*87*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
13C8 FOSA	*106*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*09/27/23 18:54*	*10/03/23 00:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-709411/1-A
Matrix: Solid
Analysis Batch: 710425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorohexanoic acid (PFHxA)	0.0394	J	0.20	0.031	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
6:2 FTS	ND		0.20	0.027	ug/Kg		09/27/23 18:54	10/02/23 21:19	1
8:2 FTS	ND		0.20	0.035	ug/Kg		09/27/23 18:54	10/02/23 21:19	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*43*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C5 PFPeA	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFHxA	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C4 PFHpA	*94*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C4 PFOA	*86*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C5 PFNA	*95*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFDA	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFUnA	*105*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFDoA	*99*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C2 PFTeDA	*111*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C3 PFBS	*84*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
18O2 PFHxS	*89*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C4 PFOS	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
13C8 FOSA	*104*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*09/27/23 18:54*	*10/02/23 21:19*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-709411/2-A
Matrix: Solid
Analysis Batch: 710425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.07		ug/Kg		103	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.00		ug/Kg		100	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.02		ug/Kg		101	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.97		ug/Kg		99	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.12		ug/Kg		106	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.09		ug/Kg		105	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.13		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.31		ug/Kg		116	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.27		ug/Kg		114	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.14		ug/Kg		107	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.63		ug/Kg		92	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.83		ug/Kg		100	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.88		ug/Kg		98	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.79		ug/Kg		96	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.76		ug/Kg		91	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.06		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.20		ug/Kg		110	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.01		ug/Kg		100	72 - 132
6:2 FTS	1.90	1.82		ug/Kg		96	73 - 139
8:2 FTS	1.92	2.16		ug/Kg		113	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*48*		*25 - 150*
13C5 PFPeA	*81*		*25 - 150*
13C2 PFHxA	*80*		*25 - 150*
13C4 PFHpA	*90*		*25 - 150*
13C4 PFOA	*85*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*93*		*25 - 150*
13C2 PFUnA	*103*		*25 - 150*
13C2 PFDoA	*94*		*25 - 150*
13C2 PFTeDA	*110*		*25 - 150*
13C3 PFBS	*86*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*90*		*25 - 150*
13C8 FOSA	*104*		*25 - 150*
d3-NMeFOSAA	*89*		*25 - 150*
d5-NEtFOSAA	*103*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-709411/2-A
Matrix: Solid
Analysis Batch: 710425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709411

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	86		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 709411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	SHAKE	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	SHAKE	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	SHAKE	
MB 320-709411/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-709411/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 710425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	537 (modified)	709411
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	537 (modified)	709411
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	537 (modified)	709411
MB 320-709411/1-A	Method Blank	Total/NA	Solid	537 (modified)	709411
LCS 320-709411/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	709411

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044	PO #: MN0832I	
Phone: 40-381-4333	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-ISMP-NAF-EL-S5	9/25/23	1400	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-EL-S6	9/25/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-EL-S7	9/25/23	1410	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-EL-S8	9/25/23	1415	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-EL-B3	9/25/23	1420	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-DUP24A	9/25/23	-	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-EL-B4	9/25/23	1425	G	S	N	N	X	X	X	X										6	

180-162987 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 9/25/23 17:15	Company: Geosyntec	Received by:	Date/Time: 9/26/23 0925	Company: EPTNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

10/5/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	837.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-EL-S5	9/25/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-EL-S6	9/25/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S7	9/25/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S8	9/25/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-B3	9/25/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP24A	9/25/23	-	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-EL-B4	9/25/23	1425	G	S	N	N	X	X	X	X			6	

180-162987 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Zach Miller	Date/Time: 9/25/23 17:15	Company: Geosyntec	Received by:	Date/Time: 9/26/23 0905	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☑ Yes ☐ No | Custody Seal No.: 2143148 | Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento Sample Receiving Notes

180-162987 Field Sheet

Tracking # : 7734 9006 5300

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: W2 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 7163198

Cooler ID: _____

Temp Observed: 1.4 °C Corrected: 1.6 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JL Date: 9/26/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JL Date: 9.26.23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☒	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: JL Date: 9.26.23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162987-2

Login Number: 162987
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/5/2023 11:46:52 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162028-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-162028-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162028-1

Receipt
The samples were received on 9/8/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.6º C, 2.3º C, 3.2º C, 3.3º C and 5.8º C.

GC/MS VOA
Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-446011 recovered below the control limits for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported. The recovery in the laboratory control sample (LCS) was within the control limits.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-446011 was above the control limits for the following analytes: 1,1-Dichloroethene and 1,1,2-Trichloro-1,2,2-trifluoroethane.

Method 8260C: The laboratory control sample (LCS) for batch 180-446044 recovered below the control limits for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike duplicate (MSD) of sample SSHS-IRM5A2-HR-B55 (180-162028-11) had the recovery of Chlorobenzene above the control limits. The RPD between the spikes was also above the control limits. The recoveries of the matrix spike (MS) and laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446011 was above criteria for the following analytes: Chloromethane, 2-Hexanone, Acetone, Methyl acetate, 2-Butanone, and 1,4-Dioxane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446044 was below criteria for the following analyte: 4-Methyl-2-pentanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-446044 was above criteria for the following analytes: Chloromethane, 1,2-Dichloroethane, 1,2-Dichloroethane-d4 (surrogate), Methyl acetate, and Bromoform. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: An incorrect volume of surrogate spiking solution was inadvertently added the following sample: SSHS-IRM5A2-HR-B58 (180-162028-14). Percent recoveries are based on the amount spiked.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B55 (180-162028-11) had the recoveries of Benzaldehyde below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The method blank (MB 180-446666/1-A) and laboratory control sample (LCS 180-446666/2-A) had the recovery of

Job ID: 180-162028-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

surrogate decachlorobiphenyl were above the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of tetrachloro-m-xylene within the control limits.

Method 8082A: The matrix spike/matrix spike duplicate (MS/MSD) recoveries of sample SSHS-IRM5A2-HR-B55 (180-162028-11) were below the control limits for aroclor 1260. The RPD between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The continuing calibration verifications (CCV) associated with batch 180-448290 (CCV 180-448290/72, CCV 180-448290/84, and CCV 180-448290/96) recovered above the control limits for antimony and selenium. As the samples associated with these CCVs did not have antimony or selenium detected or had them detected below the reporting limit, the results were reported.

Method 6010C: The ending low level continuing calibration verification (CCVL) associated with batch 180-448290 recovered above the control limits for antimony. As the samples associated with this CCVL did not have antimony detected or had antimony detected below the reporting limit, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B55 (180-162028-11) had several recoveries and the RPD between the spikes for manganese outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-HR-B55 (180-162028-11) had the recoveries of mercury below the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162028-1	SSHS-IRM5A2-HR-B46	Solid	09/07/23 12:15	09/08/23 09:00
180-162028-2	SSHS-IRM5A2-HR-B47	Solid	09/07/23 12:20	09/08/23 09:00
180-162028-3	SSHS-IRM5A2-HR-B48	Solid	09/07/23 12:25	09/08/23 09:00
180-162028-4	SSHS-IRM5A2-HR-B49	Solid	09/07/23 12:30	09/08/23 09:00
180-162028-5	SSHS-IRM5A2-HR-B50	Solid	09/07/23 12:35	09/08/23 09:00
180-162028-6	SSHS-IRM5A2-HR-B51	Solid	09/07/23 12:40	09/08/23 09:00
180-162028-7	SSHS-IRM5A2-HR-B52	Solid	09/07/23 12:45	09/08/23 09:00
180-162028-8	SSHS-IRM5A2-HR-B53	Solid	09/07/23 12:50	09/08/23 09:00
180-162028-9	SSHS-IRM5A2-HR-B54	Solid	09/07/23 12:55	09/08/23 09:00
180-162028-10	SSHS-IRM5A2-DUP320	Solid	09/07/23 00:00	09/08/23 09:00
180-162028-11	SSHS-IRM5A2-HR-B55	Solid	09/07/23 13:00	09/08/23 09:00
180-162028-12	SSHS-IRM5A2-HR-B56	Solid	09/07/23 13:05	09/08/23 09:00
180-162028-13	SSHS-IRM5A2-HR-B57	Solid	09/07/23 15:30	09/08/23 09:00
180-162028-14	SSHS-IRM5A2-HR-B58	Solid	09/07/23 15:35	09/08/23 09:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3326 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446011	09/09/23 21:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 15:10	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	446666	09/15/23 13:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446774	09/18/23 05:16	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446775	09/18/23 05:17	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446953	09/19/23 15:44	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 17:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 08:54	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3482 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446011	09/09/23 19:51	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 15:32	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 22:06	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 17:25	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 08:55	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3
Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3
Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3267 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446011	09/09/23 20:14	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 15:54	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 22:25	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.58 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 17:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 08:56	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B49
Lab Sample ID: 180-162028-4
Date Collected: 09/07/23 12:30
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B49
Lab Sample ID: 180-162028-4
Date Collected: 09/07/23 12:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3698 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446011	09/09/23 20:37	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 16:16	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 22:44	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.52 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 17:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 08:57	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3462 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446011	09/09/23 21:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 16:38	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 23:02	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.62 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 17:50	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:02	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6
Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6
Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8856 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 11:12	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 17:00	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 23:21	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.57 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 17:55	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:03	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7
Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7
Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3764 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 11:35	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 17:22	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.4 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 00:17	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.70 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 18:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:04	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8
Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8
Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2265 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 11:57	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 17:44	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8
Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 00:36	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.56 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 18:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:05	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9
Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9
Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 12:19	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 18:06	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 00:55	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.64 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 18:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:06	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10
Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10
Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4826 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 12:42	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 18:28	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 01:13	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.69 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 18:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:07	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.379 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 10:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 14:04	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/15/23 20:51	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.69 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 18:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:08	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12
Date Collected: 09/07/23 13:05
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446261	09/12/23 16:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12
Date Collected: 09/07/23 13:05
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2645 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 13:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 18:50	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 01:32	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 18:55	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:11	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13
Date Collected: 09/07/23 15:30
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446317	09/13/23 07:30	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13
Date Collected: 09/07/23 15:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3306 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 14:11	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 19:11	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 01:51	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 19:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:15	RJR	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14
Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			446303	09/13/23 07:00	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14
Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4628 g	5 mL	446019	09/09/23 11:44	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	446044	09/11/23 14:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	447043	09/20/23 06:01	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447098	09/20/23 19:33	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14

Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	15.0 mL	446539	09/14/23 14:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446585	09/15/23 05:10	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446586	09/15/23 05:11	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446612	09/16/23 02:09	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	446177	09/12/23 08:47	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448290	10/03/23 19:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	446073	09/11/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			446215	09/12/23 09:16	RJR	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- DVC = Daniel Capodanno
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SJM = Shannon Mueller
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- CRL = Craig Tronzo
- JMO = John Oravec
- PJJ = Patrick Journet
- RJR = Ron Rosenbaum
- VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-HR-B46

Lab Sample ID: 180-162028-1

Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Benzene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,1-Dichloroethene	ND	*1	4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,4-Dioxane	ND		960	73	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Styrene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Toluene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2,3-Trichlorobenzene	ND		9.6	2.6	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*- *1	4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*09/09/23 11:44*	*09/09/23 21:24*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*09/09/23 11:44*	*09/09/23 21:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*09/09/23 11:44*	*09/09/23 21:24*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/09/23 11:44*	*09/09/23 21:24*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Acenaphthylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Acetophenone	ND		690	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Anthracene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Atrazine	ND		690	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Benzaldehyde	ND		690	42	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Carbazole	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Chrysene	ND		69	38	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Dibenzofuran	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Fluoranthene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Fluorene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2-Methylphenol	ND		340	98	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Naphthalene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Nitrobenzene	ND		690	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Phenanthrene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Phenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
Pyrene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*44 - 105*	*09/20/23 06:01*	*09/20/23 15:10*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*09/20/23 06:01*	*09/20/23 15:10*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*09/20/23 06:01*	*09/20/23 15:10*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*09/20/23 06:01*	*09/20/23 15:10*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*09/20/23 06:01*	*09/20/23 15:10*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*	*09/20/23 06:01*	*09/20/23 15:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1221	ND		17	5.9	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1232	ND		17	4.0	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1242	ND		17	2.4	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1248	ND		17	4.0	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1254	ND		17	5.0	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1260	ND		17	4.7	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1

Client Sample ID: SSHS-IRM5A2-HR-B46
Lab Sample ID: 180-162028-1
Date Collected: 09/07/23 12:15
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		17	5.8	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1
PCB-1268	ND		17	2.2	ug/Kg	☼	09/15/23 13:00	09/19/23 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*09/15/23 13:00*	*09/19/23 15:44*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*09/15/23 13:00*	*09/19/23 15:44*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*09/15/23 13:00*	*09/19/23 15:44*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*09/15/23 13:00*	*09/19/23 15:44*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		19	4.7	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Antimony	ND	^+	0.93	0.28	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Arsenic	**8.7**		0.93	0.58	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Barium	**140**		19	3.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Beryllium	**0.53**		0.37	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Cadmium	**0.51**		0.47	0.068	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Calcium	**7300**		470	60	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Chromium	**16**		0.47	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Cobalt	**14**		4.7	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Copper	**39**		2.3	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Iron	**30000**		9.3	9.1	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Lead	**16**		0.93	0.81	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Magnesium	**4500**		470	51	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Manganese	**1000**		1.4	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Nickel	**28**		3.7	0.47	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Potassium	**1300**		470	79	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Selenium	ND	^+	0.93	0.43	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Silver	ND		0.47	0.097	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Sodium	**49**	**J**	470	48	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Thallium	**0.61**	**J**	1.9	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Vanadium	**19**		4.7	0.74	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1
Zinc	**68**		1.9	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 17:20	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	09/11/23 11:30	09/12/23 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**2.6**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**97.4**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,1-Dichloroethene	ND	*1	4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2

Date Collected: 09/07/23 12:20
Matrix: Solid

Date Received: 09/08/23 09:00
Percent Solids: 95.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*- *1	4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	09/09/23 11:44	09/09/23 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*09/09/23 11:44*	*09/09/23 19:51*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*09/09/23 11:44*	*09/09/23 19:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*09/09/23 11:44*	*09/09/23 19:51*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*09/09/23 11:44*	*09/09/23 19:51*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Acenaphthylene	ND		70	15	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Acetophenone	ND		700	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Anthracene	ND		70	18	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Atrazine	ND		700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Benzaldehyde	ND		700	43	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Carbazole	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Chrysene	ND		70	38	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Dibenzofuran	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		700	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Fluoranthene	ND		70	18	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Fluorene	ND		70	14	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2-Methylphenol	ND		340	99	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Naphthalene	ND		70	14	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Nitrobenzene	ND		700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
N-Nitrosodi-n-propylamine	ND		70	23	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Phenanthrene	ND		70	19	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Phenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
Pyrene	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*09/20/23 06:01*	*09/20/23 15:32*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*09/20/23 06:01*	*09/20/23 15:32*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*09/20/23 06:01*	*09/20/23 15:32*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*09/20/23 06:01*	*09/20/23 15:32*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*09/20/23 06:01*	*09/20/23 15:32*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*09/20/23 06:01*	*09/20/23 15:32*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/15/23 22:06	1

Client Sample ID: SSHS-IRM5A2-HR-B47
Lab Sample ID: 180-162028-2
Date Collected: 09/07/23 12:20
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*09/14/23 14:00*	*09/15/23 22:06*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*09/14/23 14:00*	*09/15/23 22:06*	*1*
Tetrachloro-m-xylene (Surr)	*59*		*55 - 135*	*09/14/23 14:00*	*09/15/23 22:06*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*55 - 135*	*09/14/23 14:00*	*09/15/23 22:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		17	4.1	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Antimony	ND	^+	0.83	0.25	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Arsenic	**9.5**		0.83	0.52	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Barium	**110**		17	3.0	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Beryllium	**0.55**		0.33	0.090	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Cadmium	**0.52**		0.42	0.061	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Calcium	**4100**		420	54	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Chromium	**16**		0.42	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Cobalt	**13**		4.2	0.58	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Copper	**20**		2.1	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Iron	**30000**		8.3	8.1	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Lead	**11**		0.83	0.72	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Magnesium	**4500**		420	46	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Manganese	**550**		1.2	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Nickel	**28**		3.3	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Potassium	**1300**		420	71	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Selenium	ND	^+	0.83	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Silver	ND		0.42	0.086	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Sodium	**250**	**J**	420	43	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Thallium	**0.46**	**J**	1.7	0.24	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Vanadium	**20**		4.2	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1
Zinc	**70**		1.7	1.2	mg/Kg	☼	09/12/23 08:47	10/03/23 17:25	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 08:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.4**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**95.6**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3
Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Benzene	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3
Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,1-Dichloroethene	ND	*1	5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Styrene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Toluene	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*- *1	5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:14	1

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3

Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*09/09/23 11:44*	*09/09/23 20:14*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/09/23 11:44*	*09/09/23 20:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*09/09/23 11:44*	*09/09/23 20:14*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*	*09/09/23 11:44*	*09/09/23 20:14*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Acenaphthylene	ND		70	15	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Acetophenone	ND		700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Anthracene	ND		70	18	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Atrazine	ND		700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Benzaldehyde	ND		700	44	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Carbazole	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Chrysene	ND		70	39	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Dibenzofuran	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Fluoranthene	ND		70	19	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Fluorene	ND		70	14	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Hexachlorobutadiene	ND		70	21	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3

Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Hexachloroethane	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Isophorone	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2-Methylphenol	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Naphthalene	ND		70	14	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Nitrobenzene	ND		700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Phenanthrene	ND		70	19	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Phenol	ND		350	110	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
Pyrene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*09/20/23 06:01*	*09/20/23 15:54*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*09/20/23 06:01*	*09/20/23 15:54*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/20/23 06:01*	*09/20/23 15:54*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*09/20/23 06:01*	*09/20/23 15:54*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*09/20/23 06:01*	*09/20/23 15:54*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*09/20/23 06:01*	*09/20/23 15:54*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/15/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*09/14/23 14:00*	*09/15/23 22:25*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*09/14/23 14:00*	*09/15/23 22:25*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*55 - 135*	*09/14/23 14:00*	*09/15/23 22:25*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B48
Lab Sample ID: 180-162028-3
Date Collected: 09/07/23 12:25
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	62		55 - 135	09/14/23 14:00	09/15/23 22:25	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		18	4.6	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Antimony	ND	^+	0.92	0.28	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Arsenic	**14**		0.92	0.58	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Barium	**97**		18	3.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Beryllium	**0.59**		0.37	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Cadmium	**0.52**		0.46	0.067	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Calcium	**6700**		460	59	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Chromium	**16**		0.46	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Cobalt	**12**		4.6	0.65	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Copper	**27**		2.3	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Iron	**31000**		9.2	9.0	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Lead	**31**		0.92	0.80	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Magnesium	**4300**		460	50	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Manganese	**550**		1.4	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Nickel	**26**		3.7	0.46	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Potassium	**1100**		460	78	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Selenium	ND	^+	0.92	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Silver	ND		0.46	0.096	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Sodium	**48**	**J**	460	47	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Thallium	**0.47**	**J**	1.8	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Vanadium	**19**		4.6	0.73	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1
Zinc	**81**		1.8	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	09/11/23 11:30	09/12/23 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.2**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**93.8**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B49
Lab Sample ID: 180-162028-4
Date Collected: 09/07/23 12:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Bromoform	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B49
Lab Sample ID: 180-162028-4
Date Collected: 09/07/23 12:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
cis-1,3-Dichloropropene	ND		4.9	2.1	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,1-Dichloroethene	ND	*1	4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,4-Dioxane	ND		970	74	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*- *1	4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	09/09/23 11:44	09/09/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*09/09/23 11:44*	*09/09/23 20:37*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*09/09/23 11:44*	*09/09/23 20:37*	*1*

Client: Geosyntec Consultants Inc
Project/Site: Former Sperry Remington-Documentation

Job ID: 180-162028-1

Client Sample ID: SSHS-IRM5A2-HR-B49
Date Collected: 09/07/23 12:30
Date Received: 09/08/23 09:00

Lab Sample ID: 180-162028-4
Matrix: Solid
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*09/09/23 11:44*	*09/09/23 20:37*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*09/09/23 11:44*	*09/09/23 20:37*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Acenaphthylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Acetophenone	ND		690	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Anthracene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Atrazine	ND		690	150	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Benzaldehyde	ND		690	43	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Benzo[k]fluoranthene	ND		69	21	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Carbazole	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Chrysene	ND		69	38	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Dibenzofuran	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Fluoranthene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Fluorene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1

Client Sample ID: SSHS-IRM5A2-HR-B49
Lab Sample ID: 180-162028-4
Date Collected: 09/07/23 12:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2-Methylphenol	ND		340	98	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Naphthalene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Nitrobenzene	ND		690	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Phenanthrene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Phenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
Pyrene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*09/20/23 06:01*	*09/20/23 16:16*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*09/20/23 06:01*	*09/20/23 16:16*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*09/20/23 06:01*	*09/20/23 16:16*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*09/20/23 06:01*	*09/20/23 16:16*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*09/20/23 06:01*	*09/20/23 16:16*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*09/20/23 06:01*	*09/20/23 16:16*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1232	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1262	ND		13	4.5	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/15/23 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/14/23 14:00*	*09/15/23 22:44*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*09/14/23 14:00*	*09/15/23 22:44*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*09/14/23 14:00*	*09/15/23 22:44*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*55 - 135*	*09/14/23 14:00*	*09/15/23 22:44*	*1*

Client Sample ID: SSHS-IRM5A2-HR-B49
Lab Sample ID: 180-162028-4
Date Collected: 09/07/23 12:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		20	5.0	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Antimony	ND	^+	1.0	0.30	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Arsenic	**8.8**		1.0	0.63	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Barium	**94**		20	3.6	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Beryllium	**0.50**		0.40	0.11	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Cadmium	**0.46**	**J**	0.50	0.074	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Calcium	**6300**		500	65	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Chromium	**16**		0.50	0.46	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Cobalt	**11**		5.0	0.71	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Copper	**23**		2.5	1.5	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Iron	**30000**		10	9.8	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Lead	**9.2**		1.0	0.87	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Magnesium	**4200**		500	55	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Manganese	**560**		1.5	0.28	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Nickel	**26**		4.0	0.51	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Potassium	**1100**		500	85	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Selenium	ND	^+	1.0	0.46	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Silver	ND		0.50	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Sodium	ND		500	51	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Thallium	**0.47**	**J**	2.0	0.28	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Vanadium	**19**		5.0	0.79	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1
Zinc	**64**		2.0	1.5	mg/Kg	☼	09/12/23 08:47	10/03/23 17:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	09/11/23 11:30	09/12/23 08:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.1**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**95.9**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Benzene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Carbon disulfide	ND		4.8	3.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Carbon tetrachloride	ND		4.8	2.0	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Chlorobenzene	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
cis-1,2-Dichloroethene	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,3-Dichlorobenzene	ND		4.8	3.0	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,1-Dichloroethene	ND	*1	4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2-Dichloroethene, Total	ND		9.6	3.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,4-Dioxane	ND		960	73	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Methyl acetate	ND		24	7.1	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Styrene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Toluene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
trans-1,3-Dichloropropene	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2,3-Trichlorobenzene	ND		9.6	2.6	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,1,2-Trichloroethane	ND		4.8	0.95	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*- *1	4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Vinyl chloride	ND		4.8	3.5	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1
Xylenes, Total	ND		9.6	6.9	ug/Kg	☼	09/09/23 11:44	09/09/23 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*09/09/23 11:44*	*09/09/23 21:00*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*09/09/23 11:44*	*09/09/23 21:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*09/09/23 11:44*	*09/09/23 21:00*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*09/09/23 11:44*	*09/09/23 21:00*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Acenaphthylene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Acetophenone	ND		680	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Anthracene	ND		68	17	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Atrazine	ND		680	150	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Benzaldehyde	ND		680	42	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Carbazole	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Chrysene	ND		68	37	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Dibenzofuran	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Fluoranthene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Fluorene	ND		68	13	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Hexachloroethane	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Isophorone	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2-Methylphenol	ND		330	97	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5
Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Naphthalene	ND		68	13	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Nitrobenzene	ND		680	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Phenanthrene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Phenol	ND		330	100	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
Pyrene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*09/20/23 06:01*	*09/20/23 16:38*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*09/20/23 06:01*	*09/20/23 16:38*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/20/23 06:01*	*09/20/23 16:38*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*09/20/23 06:01*	*09/20/23 16:38*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*09/20/23 06:01*	*09/20/23 16:38*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*09/20/23 06:01*	*09/20/23 16:38*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1221	ND		13	4.5	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1232	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1254	ND		13	3.8	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1260	ND		13	3.6	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1262	ND		13	4.5	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/15/23 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*09/14/23 14:00*	*09/15/23 23:02*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*09/14/23 14:00*	*09/15/23 23:02*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*	*09/14/23 14:00*	*09/15/23 23:02*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*	*09/14/23 14:00*	*09/15/23 23:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.1	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Antimony	**0.31**	**J ^+**	0.83	0.25	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1

Client Sample ID: SSHS-IRM5A2-HR-B50
Lab Sample ID: 180-162028-5

Date Collected: 09/07/23 12:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 97.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	59		0.83	0.52	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Barium	110		17	3.0	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Beryllium	0.51		0.33	0.091	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Cadmium	0.49		0.42	0.061	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Calcium	5600		420	54	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Chromium	14		0.42	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Cobalt	12		4.2	0.58	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Copper	22		2.1	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Iron	29000		8.3	8.1	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Lead	38		0.83	0.72	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Magnesium	3800		420	46	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Manganese	530		1.2	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Nickel	24		3.3	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Potassium	1000		420	71	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Selenium	ND	^+	0.83	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Silver	ND		0.42	0.086	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Sodium	50	J	420	43	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Thallium	0.32	J	1.7	0.24	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Vanadium	17		4.2	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1
Zinc	68		1.7	1.2	mg/Kg	☼	09/12/23 08:47	10/03/23 17:50	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.031	0.020	mg/Kg	☼	09/11/23 11:30	09/12/23 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	2.9		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	97.1		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6

Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	3.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Benzene	ND		4.5	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Bromoform	ND		4.5	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Bromomethane	ND		4.5	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
2-Butanone (MEK)	ND		22	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Carbon disulfide	ND		4.5	3.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Carbon tetrachloride	ND		4.5	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Chlorobenzene	ND		4.5	1.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Chlorobromomethane	ND		4.5	2.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Chlorodibromomethane	ND		4.5	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Chloroethane	ND		4.5	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Chloroform	ND		4.5	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Chloromethane	ND		4.5	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
cis-1,2-Dichloroethene	ND		4.5	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6
Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Cyclohexane	ND		4.5	2.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2-Dibromo-3-Chloropropane	ND		4.5	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2-Dibromoethane	ND		4.5	1.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2-Dichlorobenzene	ND		4.5	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,3-Dichlorobenzene	ND		4.5	2.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,4-Dichlorobenzene	ND		4.5	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Dichlorobromomethane	ND		4.5	2.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Dichlorodifluoromethane	ND		4.5	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,1-Dichloroethane	ND		4.5	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2-Dichloroethane	ND		4.5	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,1-Dichloroethene	ND		4.5	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2-Dichloroethene, Total	ND		9.0	3.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2-Dichloropropane	ND		4.5	1.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,4-Dioxane	ND		900	68	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Ethylbenzene	ND		4.5	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
2-Hexanone	ND		22	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Isopropylbenzene	ND		4.5	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Methyl acetate	ND		22	6.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Methylcyclohexane	ND		4.5	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Methylene Chloride	ND		4.5	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Methyl tert-butyl ether	ND		4.5	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
m-Xylene & p-Xylene	ND		4.5	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
o-Xylene	ND		4.5	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Styrene	ND		4.5	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,1,2,2-Tetrachloroethane	ND		4.5	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Tetrachloroethene	ND		4.5	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Toluene	ND		4.5	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
trans-1,2-Dichloroethene	ND		4.5	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
trans-1,3-Dichloropropene	ND		4.5	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2,3-Trichlorobenzene	ND		9.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,2,4-Trichlorobenzene	ND		4.5	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,1,1-Trichloroethane	ND		4.5	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,1,2-Trichloroethane	ND		4.5	0.89	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Trichloroethene	ND		4.5	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Trichlorofluoromethane	ND		4.5	3.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.5	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Vinyl chloride	ND		4.5	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1
Xylenes, Total	ND		9.0	6.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*09/09/23 11:44*	*09/11/23 11:12*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*09/09/23 11:44*	*09/11/23 11:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*09/09/23 11:44*	*09/11/23 11:12*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*09/09/23 11:44*	*09/11/23 11:12*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6
Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		71	15	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Acetophenone	ND		710	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Anthracene	ND		71	18	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Atrazine	ND		710	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Benzaldehyde	ND		710	44	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Carbazole	ND		71	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Chrysene	ND		71	39	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Dibenzofuran	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Fluoranthene	ND		71	19	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Fluorene	ND		71	14	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Hexachloroethane	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Isophorone	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2-Methylphenol	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6

Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		71	14	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Nitrobenzene	ND		710	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Phenanthrene	ND		71	19	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Phenol	ND		350	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
Pyrene	ND		71	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*09/20/23 06:01*	*09/20/23 17:00*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*09/20/23 06:01*	*09/20/23 17:00*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*09/20/23 06:01*	*09/20/23 17:00*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*09/20/23 06:01*	*09/20/23 17:00*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*09/20/23 06:01*	*09/20/23 17:00*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*09/20/23 06:01*	*09/20/23 17:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.3	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1
PCB-1268	ND		13	1.8	ug/Kg	☼	09/14/23 14:00	09/15/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/14/23 14:00*	*09/15/23 23:21*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*09/14/23 14:00*	*09/15/23 23:21*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*09/14/23 14:00*	*09/15/23 23:21*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*09/14/23 14:00*	*09/15/23 23:21*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.6	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Antimony	ND	^+	0.93	0.28	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Arsenic	**11**		0.93	0.58	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1

Client Sample ID: SSHS-IRM5A2-HR-B51
Lab Sample ID: 180-162028-6

Date Collected: 09/07/23 12:40
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**100**		19	3.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Beryllium	**0.51**		0.37	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Cadmium	**0.46**		0.46	0.068	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Calcium	**4000**		460	60	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Chromium	**15**		0.46	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Cobalt	**11**		4.6	0.65	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Copper	**20**		2.3	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Iron	**28000**		9.3	9.0	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Lead	**12**		0.93	0.81	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Magnesium	**3900**		460	51	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Manganese	**480**		1.4	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Nickel	**25**		3.7	0.47	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Potassium	**1200**		460	79	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Selenium	ND	^+	0.93	0.43	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Silver	ND		0.46	0.096	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Sodium	**180**	**J**	460	47	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Thallium	**0.41**	**J**	1.9	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Vanadium	**19**		4.6	0.73	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1
Zinc	**67**		1.9	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 17:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.4**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**94.6**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7

Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7
Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,4-Dioxane	ND		980	75	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
2-Hexanone	ND		25	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*09/09/23 11:44*	*09/11/23 11:35*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*09/09/23 11:44*	*09/11/23 11:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*09/09/23 11:44*	*09/11/23 11:35*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*09/09/23 11:44*	*09/11/23 11:35*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Acenaphthylene	ND		70	15	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7
Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		700	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Anthracene	ND		70	18	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Atrazine	ND		700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Benzaldehyde	ND		700	43	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Benzo[a]anthracene	ND		70	31	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Carbazole	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Chrysene	ND		70	39	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Dibenzofuran	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Fluoranthene	ND		70	18	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Fluorene	ND		70	14	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2-Methylphenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Naphthalene	ND		70	14	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7

Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Nitrobenzene	ND		700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Phenanthrene	ND		70	19	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Phenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
Pyrene	ND		70	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,3,4,6-Tetrachlorophenol	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*09/20/23 06:01*	*09/20/23 17:22*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*09/20/23 06:01*	*09/20/23 17:22*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*09/20/23 06:01*	*09/20/23 17:22*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*09/20/23 06:01*	*09/20/23 17:22*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*09/20/23 06:01*	*09/20/23 17:22*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*09/20/23 06:01*	*09/20/23 17:22*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1232	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1262	ND		13	4.5	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/16/23 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/14/23 14:00*	*09/16/23 00:17*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*09/14/23 14:00*	*09/16/23 00:17*	*1*
Tetrachloro-m-xylene (Surr)	*70*		*55 - 135*	*09/14/23 14:00*	*09/16/23 00:17*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*55 - 135*	*09/14/23 14:00*	*09/16/23 00:17*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		15	3.8	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Antimony	ND	^+	0.76	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Arsenic	**12**		0.76	0.47	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Barium	**93**		15	2.7	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1

Client Sample ID: SSHS-IRM5A2-HR-B52
Lab Sample ID: 180-162028-7

Date Collected: 09/07/23 12:45
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 94.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.52**		0.30	0.082	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Cadmium	**0.53**		0.38	0.056	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Calcium	**8400**		380	49	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Chromium	**16**		0.38	0.34	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Cobalt	**12**		3.8	0.53	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Copper	**33**		1.9	1.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Iron	**28000**		7.6	7.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Lead	**18**		0.76	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Magnesium	**4000**		380	42	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Manganese	**610**		1.1	0.21	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Nickel	**25**		3.0	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Potassium	**1000**		380	64	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Selenium	ND	^+	0.76	0.35	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Silver	ND		0.38	0.079	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Sodium	**43**	**J**	380	39	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Thallium	**0.54**	**J**	1.5	0.21	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Vanadium	**19**		3.8	0.60	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1
Zinc	**68**		1.5	1.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.020	mg/Kg	☼	09/11/23 11:30	09/12/23 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.6**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**94.4**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8

Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Benzene	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8
Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Styrene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Toluene	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2,3-Trichlorobenzene	ND		10	2.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	09/09/23 11:44	09/11/23 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*09/09/23 11:44*	*09/11/23 11:57*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*09/09/23 11:44*	*09/11/23 11:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*	*09/09/23 11:44*	*09/11/23 11:57*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*09/09/23 11:44*	*09/11/23 11:57*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Acenaphthylene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Acetophenone	ND		680	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1

Client: Geosyntec Consultants Inc
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Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8
Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Atrazine	ND		680	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Benzaldehyde	ND		680	42	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Benzo[a]anthracene	ND		68	31	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Carbazole	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2-Chlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Chrysene	ND		68	38	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Dibenzofuran	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Fluoranthene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Fluorene	ND		68	13	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Indeno[1,2,3-cd]pyrene	ND		68	34	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2-Methylphenol	ND		340	97	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Methylphenol, 3 & 4	ND		340	99	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Naphthalene	ND		68	13	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8

Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	86	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Nitrobenzene	ND		680	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2-Nitrophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Phenanthrene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Phenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
Pyrene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*09/20/23 06:01*	*09/20/23 17:44*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*09/20/23 06:01*	*09/20/23 17:44*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*09/20/23 06:01*	*09/20/23 17:44*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*09/20/23 06:01*	*09/20/23 17:44*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*09/20/23 06:01*	*09/20/23 17:44*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*09/20/23 06:01*	*09/20/23 17:44*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1
PCB-1268	ND		13	1.8	ug/Kg	☼	09/14/23 14:00	09/16/23 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*09/14/23 14:00*	*09/16/23 00:36*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*09/14/23 14:00*	*09/16/23 00:36*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*09/14/23 14:00*	*09/16/23 00:36*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*55 - 135*	*09/14/23 14:00*	*09/16/23 00:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.6	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Antimony	ND	^+	0.93	0.28	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Arsenic	**11**		0.93	0.58	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Barium	**92**		19	3.3	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Beryllium	**0.50**		0.37	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1

Client Sample ID: SSHS-IRM5A2-HR-B53
Lab Sample ID: 180-162028-8

Date Collected: 09/07/23 12:50
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.44	J	0.47	0.068	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Calcium	4200		470	60	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Chromium	15		0.47	0.42	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Cobalt	12		4.7	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Copper	26		2.3	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Iron	29000		9.3	9.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Lead	11		0.93	0.81	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Magnesium	4100		470	51	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Manganese	510		1.4	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Nickel	25		3.7	0.47	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Potassium	1100		470	79	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Selenium	ND	^+	0.93	0.43	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Silver	ND		0.47	0.097	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Sodium	ND		470	48	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Thallium	0.52	J	1.9	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Vanadium	18		4.7	0.74	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1
Zinc	64		1.9	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 18:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.1		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	95.9		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9

Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Benzene	ND		5.1	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9
Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Styrene	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Toluene	ND		5.1	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.1	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*09/09/23 11:44*	*09/11/23 12:19*	*1*
Dibromofluoromethane (Surr)	*104*		*69 - 126*	*09/09/23 11:44*	*09/11/23 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*09/09/23 11:44*	*09/11/23 12:19*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*09/09/23 11:44*	*09/11/23 12:19*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Acenaphthylene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Acetophenone	ND		680	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Anthracene	ND		68	17	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9
Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		680	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Benzaldehyde	ND		680	42	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Benzo[a]anthracene	ND		68	30	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Benzo[a]pyrene	ND		68	29	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Benzo[b]fluoranthene	ND		68	17	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Benzo[g,h,i]perylene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Benzo[k]fluoranthene	ND		68	20	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Carbazole	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Chrysene	ND		68	37	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Dibenzofuran	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
1,4-Dioxane	ND		680	100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Fluoranthene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Fluorene	ND		68	13	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Hexachloroethane	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Indeno[1,2,3-cd]pyrene	ND		68	33	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Isophorone	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2-Methylphenol	ND		330	96	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Naphthalene	ND		68	13	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9
Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Nitrobenzene	ND		680	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Phenanthrene	ND		68	18	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Phenol	ND		330	100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
Pyrene	ND		68	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*09/20/23 06:01*	*09/20/23 18:06*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*09/20/23 06:01*	*09/20/23 18:06*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*09/20/23 06:01*	*09/20/23 18:06*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/20/23 06:01*	*09/20/23 18:06*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*09/20/23 06:01*	*09/20/23 18:06*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*09/20/23 06:01*	*09/20/23 18:06*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/16/23 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/14/23 14:00*	*09/16/23 00:55*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*09/14/23 14:00*	*09/16/23 00:55*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*	*09/14/23 14:00*	*09/16/23 00:55*	*1*
Tetrachloro-m-xylene (Surr)	*68*		*55 - 135*	*09/14/23 14:00*	*09/16/23 00:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		16	4.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Antimony	**0.27**	**J ^+**	0.81	0.25	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Arsenic	**11**		0.81	0.51	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Barium	**99**		16	2.9	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Beryllium	**0.50**		0.33	0.089	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Cadmium	**0.46**		0.41	0.060	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1

Client Sample ID: SSHS-IRM5A2-HR-B54
Lab Sample ID: 180-162028-9

Date Collected: 09/07/23 12:55
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4800		410	53	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Chromium	15		0.41	0.37	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Cobalt	12		4.1	0.57	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Copper	20		2.0	1.2	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Iron	28000		8.1	7.9	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Lead	12		0.81	0.71	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Magnesium	4000		410	45	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Manganese	590		1.2	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Nickel	25		3.3	0.41	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Potassium	1000		410	69	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Selenium	ND	^+	0.81	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Silver	ND		0.41	0.085	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Sodium	42	J	410	42	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Thallium	0.40	J	1.6	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Vanadium	18		4.1	0.64	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1
Zinc	65		1.6	1.2	mg/Kg	☼	09/12/23 08:47	10/03/23 18:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	09/11/23 11:30	09/12/23 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.1		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	95.9		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10

Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Benzene	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Bromomethane	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
2-Butanone (MEK)	ND		24	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Carbon disulfide	ND		4.8	3.8	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Carbon tetrachloride	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Chlorobenzene	ND		4.8	1.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Chlorobromomethane	ND		4.8	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Chlorodibromomethane	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Chloroethane	ND		4.8	2.8	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Chloroform	ND		4.8	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Chloromethane	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
cis-1,2-Dichloroethene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
cis-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Cyclohexane	ND		4.8	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2-Dibromo-3-Chloropropane	ND		4.8	3.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10
Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		4.8	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,3-Dichlorobenzene	ND		4.8	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,4-Dichlorobenzene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Dichlorobromomethane	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Dichlorodifluoromethane	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,1-Dichloroethane	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2-Dichloroethane	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,1-Dichloroethene	ND		4.8	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2-Dichloroethene, Total	ND		9.5	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2-Dichloropropane	ND		4.8	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,4-Dioxane	ND		950	72	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Ethylbenzene	ND		4.8	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Isopropylbenzene	ND		4.8	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Methyl acetate	ND		24	7.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Methylcyclohexane	ND		4.8	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Methylene Chloride	ND		4.8	4.3	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Methyl tert-butyl ether	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
m-Xylene & p-Xylene	ND		4.8	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
o-Xylene	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Styrene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,1,2,2-Tetrachloroethane	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Tetrachloroethene	ND		4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Toluene	ND		4.8	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
trans-1,2-Dichloroethene	ND		4.8	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2,3-Trichlorobenzene	ND		9.5	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,2,4-Trichlorobenzene	ND		4.8	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,1,1-Trichloroethane	ND		4.8	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,1,2-Trichloroethane	ND		4.8	0.94	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Trichloroethene	ND		4.8	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Trichlorofluoromethane	ND		4.8	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.8	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Vinyl chloride	ND		4.8	3.4	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1
Xylenes, Total	ND		9.5	6.9	ug/Kg	☼	09/09/23 11:44	09/11/23 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*09/09/23 11:44*	*09/11/23 12:42*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*09/09/23 11:44*	*09/11/23 12:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*	*09/09/23 11:44*	*09/11/23 12:42*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/09/23 11:44*	*09/11/23 12:42*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Acenaphthylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Acetophenone	ND		690	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Anthracene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Atrazine	ND		690	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10
Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		690	42	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Benzo[k]fluoranthene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Carbazole	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Chrysene	ND		69	38	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Dibenzofuran	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Fluoranthene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Fluorene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Hexachlorobenzene	ND		69	24	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2-Methylphenol	ND		340	98	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Naphthalene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10

Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		690	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Phenanthrene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Phenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
Pyrene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*09/20/23 06:01*	*09/20/23 18:28*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*09/20/23 06:01*	*09/20/23 18:28*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/20/23 06:01*	*09/20/23 18:28*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/20/23 06:01*	*09/20/23 18:28*	*1*
Terphenyl-d14 (Surr)	*82*		*39 - 105*	*09/20/23 06:01*	*09/20/23 18:28*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*09/20/23 06:01*	*09/20/23 18:28*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1
PCB-1268	ND		13	1.8	ug/Kg	☼	09/14/23 14:00	09/16/23 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*09/14/23 14:00*	*09/16/23 01:13*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*09/14/23 14:00*	*09/16/23 01:13*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*	*09/14/23 14:00*	*09/16/23 01:13*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*	*09/14/23 14:00*	*09/16/23 01:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		15	3.8	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Antimony	ND	^+	0.76	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Arsenic	**8.7**		0.76	0.47	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Barium	**94**		15	2.7	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Beryllium	**0.50**		0.30	0.083	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Cadmium	**0.47**		0.38	0.056	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Calcium	**4400**		380	49	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1

Client Sample ID: SSHS-IRM5A2-DUP320
Lab Sample ID: 180-162028-10
Date Collected: 09/07/23 00:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**15**		0.38	0.34	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Cobalt	**11**		3.8	0.53	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Copper	**28**		1.9	1.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Iron	**28000**		7.6	7.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Lead	**10**		0.76	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Magnesium	**4000**		380	42	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Manganese	**510**		1.1	0.21	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Nickel	**25**		3.0	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Potassium	**1000**		380	64	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Selenium	ND	^+	0.76	0.35	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Silver	ND		0.38	0.079	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Sodium	**40**	**J**	380	39	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Thallium	**0.25**	**J**	1.5	0.22	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Vanadium	**18**		3.8	0.60	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1
Zinc	**64**		1.5	1.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:15	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**4.3**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**95.7**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Chlorobenzene	ND	F1 F2	4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1
Xylenes, Total	ND		9.8	7.0	ug/Kg	☼	09/09/23 11:44	09/11/23 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*09/09/23 11:44*	*09/11/23 10:49*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*09/09/23 11:44*	*09/11/23 10:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 135*	*09/09/23 11:44*	*09/11/23 10:49*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*09/09/23 11:44*	*09/11/23 10:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Acenaphthylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Acetophenone	ND		690	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Anthracene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Atrazine	ND		690	150	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Benzaldehyde	ND	F1	690	42	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		69	31	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Benzo[a]pyrene	ND		69	30	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Benzo[b]fluoranthene	ND		69	17	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Benzo[g,h,i]perylene	ND		69	15	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Benzo[k]fluoranthene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Bis(2-chloroethyl)ether	ND		69	12	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Carbazole	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Chrysene	ND		69	38	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Dibenzofuran	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,4-Dichlorophenol	ND		69	26	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Fluoranthene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Fluorene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Hexachlorobenzene	ND		69	24	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Hexachloroethane	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Isophorone	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2-Methylnaphthalene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2-Methylphenol	ND		340	98	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Naphthalene	ND		69	13	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2-Nitroaniline	ND		1700	160	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
3-Nitroaniline	ND		1700	87	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Nitrobenzene	ND		690	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		340	130	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,2'-oxybis[1-chloropropane]	ND		69	25	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Phenanthrene	ND		69	18	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Phenol	ND		340	100	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
Pyrene	ND		69	16	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	09/20/23 06:01	09/20/23 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*09/20/23 06:01*	*09/20/23 14:04*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*09/20/23 06:01*	*09/20/23 14:04*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*09/20/23 06:01*	*09/20/23 14:04*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/20/23 06:01*	*09/20/23 14:04*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*09/20/23 06:01*	*09/20/23 14:04*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*09/20/23 06:01*	*09/20/23 14:04*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1232	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1260	ND	F1	13	3.7	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1262	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/15/23 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*09/14/23 14:00*	*09/15/23 20:51*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*09/14/23 14:00*	*09/15/23 20:51*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*	*09/14/23 14:00*	*09/15/23 20:51*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*55 - 135*	*09/14/23 14:00*	*09/15/23 20:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		15	3.8	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Antimony	ND	F1 ^+	0.76	0.23	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Arsenic	**14**		0.76	0.48	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Barium	**94**		15	2.7	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Beryllium	**0.49**		0.30	0.083	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Cadmium	**0.47**		0.38	0.056	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Calcium	**5300**	**F1**	380	49	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Chromium	**15**		0.38	0.35	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1

Client Sample ID: SSHS-IRM5A2-HR-B55
Lab Sample ID: 180-162028-11
Date Collected: 09/07/23 13:00
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	11		3.8	0.54	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Copper	21	F1	1.9	1.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Iron	28000		7.6	7.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Lead	20	F1	0.76	0.66	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Magnesium	4000		380	42	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Manganese	490	F2	1.1	0.21	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Nickel	25		3.0	0.38	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Potassium	1100	F1	380	65	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Selenium	ND	^+	0.76	0.35	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Silver	ND		0.38	0.079	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Sodium	78	J	380	39	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Thallium	0.36	J	1.5	0.22	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Vanadium	17		3.8	0.60	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1
Zinc	63		1.5	1.1	mg/Kg	☼	09/12/23 08:47	10/03/23 18:20	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1	0.033	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.8		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	95.2		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12
Date Collected: 09/07/23 13:05
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Benzene	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12
Date Collected: 09/07/23 13:05
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Styrene	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Toluene	ND		5.0	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.0	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	09/09/23 11:44	09/11/23 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*09/09/23 11:44*	*09/11/23 13:49*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*09/09/23 11:44*	*09/11/23 13:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*09/09/23 11:44*	*09/11/23 13:49*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*09/09/23 11:44*	*09/11/23 13:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Acenaphthylene	ND		71	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Acetophenone	ND		710	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Anthracene	ND		71	18	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Atrazine	ND		710	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Benzaldehyde	ND		710	44	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12
Date Collected: 09/07/23 13:05
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		71	30	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Carbazole	ND		71	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Chrysene	ND		71	39	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Dibenzofuran	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Fluoranthene	ND		71	19	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Fluorene	ND		71	14	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Hexachloroethane	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Isophorone	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2-Methylphenol	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Naphthalene	ND		71	14	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Nitrobenzene	ND		710	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12

Date Collected: 09/07/23 13:05
Matrix: Solid

Date Received: 09/08/23 09:00
Percent Solids: 95.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1800	250	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Phenanthrene	ND		71	19	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Phenol	ND		350	110	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
Pyrene	ND		71	17	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*09/20/23 06:01*	*09/20/23 18:50*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*09/20/23 06:01*	*09/20/23 18:50*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/20/23 06:01*	*09/20/23 18:50*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*09/20/23 06:01*	*09/20/23 18:50*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*09/20/23 06:01*	*09/20/23 18:50*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*09/20/23 06:01*	*09/20/23 18:50*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1232	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1262	ND		13	4.5	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/16/23 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*09/14/23 14:00*	*09/16/23 01:32*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*09/14/23 14:00*	*09/16/23 01:32*	*1*
Tetrachloro-m-xylene (Surr)	*60*		*55 - 135*	*09/14/23 14:00*	*09/16/23 01:32*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*55 - 135*	*09/14/23 14:00*	*09/16/23 01:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		19	4.8	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Antimony	ND	^+	0.96	0.29	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Arsenic	**10**		0.96	0.60	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Barium	**110**		19	3.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Beryllium	**0.53**		0.38	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Cadmium	**0.47**	**J**	0.48	0.070	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Calcium	**6200**		480	62	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Chromium	**15**		0.48	0.44	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Cobalt	**14**		4.8	0.67	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1

Client Sample ID: SSHS-IRM5A2-HR-B56
Lab Sample ID: 180-162028-12
Date Collected: 09/07/23 13:05
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 95.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**22**		2.4	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Iron	**29000**		9.6	9.3	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Lead	**13**		0.96	0.83	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Magnesium	**4200**		480	53	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Manganese	**750**		1.4	0.27	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Nickel	**27**		3.8	0.48	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Potassium	**1200**		480	81	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Selenium	ND	^+	0.96	0.44	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Silver	ND		0.48	0.10	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Sodium	ND		480	49	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Thallium	**0.32**	**J**	1.9	0.27	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Vanadium	**19**		4.8	0.76	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1
Zinc	**70**		1.9	1.4	mg/Kg	☼	09/12/23 08:47	10/03/23 18:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	09/11/23 11:30	09/12/23 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.0**		0.1	0.1	%			09/12/23 16:00	1
Percent Solids (SM22 2540G)	**95.0**		0.1	0.1	%			09/12/23 16:00	1

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13
Date Collected: 09/07/23 15:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 96.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13
Date Collected: 09/07/23 15:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 96.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,4-Dioxane	ND		970	74	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,1,2-Trichloroethane	ND		4.9	0.96	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*09/09/23 11:44*	*09/11/23 14:11*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*09/09/23 11:44*	*09/11/23 14:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*09/09/23 11:44*	*09/11/23 14:11*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*09/09/23 11:44*	*09/11/23 14:11*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Acenaphthylene	ND		67	15	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Acetophenone	ND		670	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Anthracene	ND		67	17	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Atrazine	ND		670	150	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Benzaldehyde	ND		670	42	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Benzo[a]anthracene	ND		67	30	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Benzo[a]pyrene	ND		67	29	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13
Date Collected: 09/07/23 15:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 96.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		67	16	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Caprolactam	ND		1700	220	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Carbazole	ND		67	16	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2-Chloronaphthalene	ND		67	15	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Chrysene	ND		67	37	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Dibenzofuran	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,4-Dichlorophenol	ND		67	26	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,4-Dimethylphenol	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Di-n-octyl phthalate	ND		330	190	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
1,4-Dioxane	ND		670	100	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Fluoranthene	ND		67	18	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Fluorene	ND		67	13	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Hexachlorobenzene	ND		67	24	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Hexachlorobutadiene	ND		67	20	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Hexachloroethane	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Isophorone	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2-Methylnaphthalene	ND		67	16	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2-Methylphenol	ND		330	96	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Naphthalene	ND		67	13	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
3-Nitroaniline	ND		1700	85	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4-Nitroaniline	ND		1700	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Nitrobenzene	ND		670	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
4-Nitrophenol	ND		1700	230	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13

Date Collected: 09/07/23 15:30
Matrix: Solid

Date Received: 09/08/23 09:00
Percent Solids: 96.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Phenanthrene	ND		67	18	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Phenol	ND		330	100	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
Pyrene	ND		67	16	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	09/20/23 06:01	09/20/23 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*09/20/23 06:01*	*09/20/23 19:11*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*09/20/23 06:01*	*09/20/23 19:11*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*09/20/23 06:01*	*09/20/23 19:11*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*09/20/23 06:01*	*09/20/23 19:11*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*09/20/23 06:01*	*09/20/23 19:11*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*34 - 108*	*09/20/23 06:01*	*09/20/23 19:11*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.2	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1221	ND		13	4.6	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1232	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1242	ND		13	1.9	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1248	ND		13	3.1	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1254	ND		13	3.9	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1260	ND		13	3.7	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1262	ND		13	4.5	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1
PCB-1268	ND		13	1.7	ug/Kg	☼	09/14/23 14:00	09/16/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*	*09/14/23 14:00*	*09/16/23 01:51*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*09/14/23 14:00*	*09/16/23 01:51*	*1*
Tetrachloro-m-xylene (Surr)	*62*		*55 - 135*	*09/14/23 14:00*	*09/16/23 01:51*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*55 - 135*	*09/14/23 14:00*	*09/16/23 01:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		17	4.3	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Antimony	ND	^+	0.86	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Arsenic	**11**		0.86	0.54	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Barium	**89**		17	3.1	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Beryllium	**0.56**		0.35	0.094	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Cadmium	**0.48**		0.43	0.063	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Calcium	**11000**		430	56	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Chromium	**15**		0.43	0.39	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Cobalt	**11**		4.3	0.61	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Copper	**20**		2.2	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1

Client Sample ID: SSHS-IRM5A2-HR-B57
Lab Sample ID: 180-162028-13
Date Collected: 09/07/23 15:30
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 96.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**28000**		8.6	8.4	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Lead	**12**		0.86	0.75	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Magnesium	**4100**		430	47	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Manganese	**530**		1.3	0.24	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Nickel	**25**		3.5	0.44	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Potassium	**1000**		430	74	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Selenium	ND	^+	0.86	0.40	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Silver	ND		0.43	0.090	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Sodium	**63**	**J**	430	44	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Thallium	**0.37**	**J**	1.7	0.25	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Vanadium	**17**		4.3	0.68	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1
Zinc	**62**		1.7	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 19:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**3.6**		0.1	0.1	%			09/13/23 07:30	1
Percent Solids (SM22 2540G)	**96.4**		0.1	0.1	%			09/13/23 07:30	1

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14
Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14
Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.9	2.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1
Xylenes, Total	ND		9.8	7.0	ug/Kg	☼	09/09/23 11:44	09/11/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*09/09/23 11:44*	*09/11/23 14:33*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/09/23 11:44*	*09/11/23 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*09/09/23 11:44*	*09/11/23 14:33*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*09/09/23 11:44*	*09/11/23 14:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	20	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Acenaphthylene	ND		72	16	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Acetophenone	ND		720	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Anthracene	ND		72	18	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Atrazine	ND		720	160	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Benzaldehyde	ND		720	44	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14
Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Carbazole	ND		72	17	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Chrysene	ND		72	40	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Dibenzofuran	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,4-Dichlorophenol	ND		72	27	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Fluoranthene	ND		72	19	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Fluorene	ND		72	14	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Hexachloroethane	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Indeno[1,2,3-cd]pyrene	ND		72	35	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Isophorone	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2-Methylphenol	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Naphthalene	ND		72	14	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Nitrobenzene	ND		720	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14

Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Phenanthrene	ND		72	19	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Phenol	ND		350	110	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
Pyrene	ND		72	17	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	09/20/23 06:01	09/20/23 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*09/20/23 06:01*	*09/20/23 19:33*	*1*
2-Fluorophenol (Surr)	*72*		*48 - 105*	*09/20/23 06:01*	*09/20/23 19:33*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*09/20/23 06:01*	*09/20/23 19:33*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*09/20/23 06:01*	*09/20/23 19:33*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*09/20/23 06:01*	*09/20/23 19:33*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*09/20/23 06:01*	*09/20/23 19:33*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.3	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1221	ND		13	4.7	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1232	ND		13	3.3	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1242	ND		13	2.0	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1248	ND		13	3.2	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1254	ND		13	4.0	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1260	ND		13	3.8	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1262	ND		13	4.7	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1
PCB-1268	ND		13	1.8	ug/Kg	☼	09/14/23 14:00	09/16/23 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*	*09/14/23 14:00*	*09/16/23 02:09*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*63 - 138*	*09/14/23 14:00*	*09/16/23 02:09*	*1*
Tetrachloro-m-xylene (Surr)	*58*		*55 - 135*	*09/14/23 14:00*	*09/16/23 02:09*	*1*
Tetrachloro-m-xylene (Surr)	*60*		*55 - 135*	*09/14/23 14:00*	*09/16/23 02:09*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.2	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Antimony	ND	^+	0.85	0.26	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Arsenic	**15**		0.85	0.53	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Barium	**96**		17	3.0	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Beryllium	**0.49**		0.34	0.092	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Cadmium	**0.45**		0.42	0.062	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Calcium	**4300**		420	55	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Chromium	**14**		0.42	0.39	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Cobalt	**11**		4.2	0.60	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Copper	**24**		2.1	1.3	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Iron	**27000**		8.5	8.3	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1

Client Sample ID: SSHS-IRM5A2-HR-B58
Lab Sample ID: 180-162028-14

Date Collected: 09/07/23 15:35
Matrix: Solid
Date Received: 09/08/23 09:00
Percent Solids: 93.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**13**		0.85	0.74	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Magnesium	**3900**		420	47	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Manganese	**600**		1.3	0.24	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Nickel	**25**		3.4	0.43	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Potassium	**1000**		420	72	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Selenium	ND	^+	0.85	0.39	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Silver	ND		0.42	0.088	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Sodium	**46**	**J**	420	43	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Thallium	**0.55**	**J**	1.7	0.24	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Vanadium	**17**		4.2	0.67	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1
Zinc	**96**		1.7	1.2	mg/Kg	☼	09/12/23 08:47	10/03/23 19:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/11/23 11:30	09/12/23 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.3**		0.1	0.1	%			09/13/23 07:00	1
Percent Solids (SM22 2540G)	**93.7**		0.1	0.1	%			09/13/23 07:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-446011/12
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/09/23 15:48	1
Benzene	ND		5.0	1.4	ug/Kg			09/09/23 15:48	1
Bromoform	ND		5.0	2.5	ug/Kg			09/09/23 15:48	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/09/23 15:48	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/09/23 15:48	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/09/23 15:48	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/09/23 15:48	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/09/23 15:48	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/09/23 15:48	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/09/23 15:48	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/09/23 15:48	1
Chloroform	ND		5.0	3.4	ug/Kg			09/09/23 15:48	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/09/23 15:48	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/09/23 15:48	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/09/23 15:48	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/09/23 15:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/09/23 15:48	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/09/23 15:48	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/09/23 15:48	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/09/23 15:48	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/09/23 15:48	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/09/23 15:48	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/09/23 15:48	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/09/23 15:48	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/09/23 15:48	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/09/23 15:48	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/09/23 15:48	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/09/23 15:48	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/09/23 15:48	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/09/23 15:48	1
2-Hexanone	ND		25	1.6	ug/Kg			09/09/23 15:48	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/09/23 15:48	1
Methyl acetate	ND		25	7.4	ug/Kg			09/09/23 15:48	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/09/23 15:48	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/09/23 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/09/23 15:48	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/09/23 15:48	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/09/23 15:48	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/09/23 15:48	1
Styrene	ND		5.0	1.5	ug/Kg			09/09/23 15:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/09/23 15:48	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/09/23 15:48	1
Toluene	ND		5.0	1.4	ug/Kg			09/09/23 15:48	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/09/23 15:48	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/09/23 15:48	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/09/23 15:48	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/09/23 15:48	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/09/23 15:48	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-446011/12
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/09/23 15:48	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/09/23 15:48	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/09/23 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/09/23 15:48	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/09/23 15:48	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/09/23 15:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*		*09/09/23 15:48*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*		*09/09/23 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*		*09/09/23 15:48*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*		*09/09/23 15:48*	*1*

Lab Sample ID: LCS 180-446011/8
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	54.0		ug/Kg		135	23 - 170
Benzene	40.0	37.4		ug/Kg		94	77 - 120
Bromoform	40.0	40.7		ug/Kg		102	37 - 147
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149
2-Butanone (MEK)	40.0	48.3		ug/Kg		121	39 - 157
Carbon disulfide	40.0	35.3		ug/Kg		88	40 - 156
Carbon tetrachloride	40.0	39.5		ug/Kg		99	73 - 130
Chlorobenzene	40.0	35.9		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	38.8		ug/Kg		97	64 - 128
Chlorodibromomethane	40.0	36.8		ug/Kg		92	60 - 134
Chloroethane	40.0	30.3		ug/Kg		76	37 - 159
Chloroform	40.0	40.3		ug/Kg		101	73 - 126
Chloromethane	40.0	45.0		ug/Kg		112	46 - 151
cis-1,2-Dichloroethene	40.0	37.5		ug/Kg		94	77 - 118
cis-1,3-Dichloropropene	40.0	37.7		ug/Kg		94	73 - 127
Cyclohexane	40.0	39.2		ug/Kg		98	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	34.0		ug/Kg		85	30 - 163
1,2-Dibromoethane	40.0	35.7		ug/Kg		89	59 - 137
1,2-Dichlorobenzene	40.0	36.3		ug/Kg		91	76 - 120
1,3-Dichlorobenzene	40.0	36.9		ug/Kg		92	77 - 121
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120
Dichlorobromomethane	40.0	39.5		ug/Kg		99	75 - 123
Dichlorodifluoromethane	40.0	35.6		ug/Kg		89	26 - 149
1,1-Dichloroethane	40.0	39.6		ug/Kg		99	73 - 124
1,2-Dichloroethane	40.0	39.4		ug/Kg		99	64 - 140
1,1-Dichloroethene	40.0	36.1		ug/Kg		90	55 - 136
1,2-Dichloroethene, Total	80.0	74.7		ug/Kg		93	77 - 119
1,2-Dichloropropane	40.0	39.9		ug/Kg		100	77 - 119
1,4-Dioxane	800	937	J	ug/Kg		117	18 - 166
Ethylbenzene	40.0	36.1		ug/Kg		90	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-446011/8
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	50.9		ug/Kg		127	42 - 152
Isopropylbenzene	40.0	36.9		ug/Kg		92	70 - 125
Methyl acetate	80.0	94.8		ug/Kg		118	20 - 170
Methylcyclohexane	40.0	36.3		ug/Kg		91	70 - 125
Methylene Chloride	40.0	36.7		ug/Kg		92	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	40.8		ug/Kg		102	51 - 147
Methyl tert-butyl ether	40.0	36.0		ug/Kg		90	58 - 132
m-Xylene & p-Xylene	40.0	35.2		ug/Kg		88	77 - 120
o-Xylene	40.0	35.6		ug/Kg		89	78 - 118
Styrene	40.0	36.7		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	36.0		ug/Kg		90	36 - 170
Tetrachloroethene	40.0	39.1		ug/Kg		98	71 - 121
Toluene	40.0	36.6		ug/Kg		92	76 - 120
trans-1,2-Dichloroethene	40.0	37.3		ug/Kg		93	75 - 122
trans-1,3-Dichloropropene	40.0	35.8		ug/Kg		90	68 - 133
1,2,3-Trichlorobenzene	40.0	39.5		ug/Kg		99	29 - 166
1,2,4-Trichlorobenzene	40.0	38.7		ug/Kg		97	22 - 170
1,1,1-Trichloroethane	40.0	36.6		ug/Kg		92	72 - 134
1,1,2-Trichloroethane	40.0	35.3		ug/Kg		88	66 - 128
Trichloroethene	40.0	38.3		ug/Kg		96	69 - 118
Trichlorofluoromethane	40.0	39.9		ug/Kg		100	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	23.5		ug/Kg		59	59 - 135
Vinyl chloride	40.0	37.8		ug/Kg		94	64 - 134
Xylenes, Total	80.0	70.8		ug/Kg		89	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*
Toluene-d8 (Surr)	*90*		*67 - 134*

Lab Sample ID: LCSD 180-446011/9
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	49.7		ug/Kg		124	23 - 170	8	35
Benzene	40.0	37.9		ug/Kg		95	77 - 120	1	20
Bromoform	40.0	37.8		ug/Kg		95	37 - 147	7	23
Bromomethane	40.0	34.0		ug/Kg		85	47 - 149	3	25
2-Butanone (MEK)	40.0	44.0		ug/Kg		110	39 - 157	9	33
Carbon disulfide	40.0	37.4		ug/Kg		94	40 - 156	6	25
Carbon tetrachloride	40.0	39.3		ug/Kg		98	73 - 130	0	21
Chlorobenzene	40.0	36.4		ug/Kg		91	79 - 122	1	20
Chlorobromomethane	40.0	38.6		ug/Kg		96	64 - 128	1	20
Chlorodibromomethane	40.0	36.1		ug/Kg		90	60 - 134	2	40
Chloroethane	40.0	31.3		ug/Kg		78	37 - 159	3	25
Chloroform	40.0	39.9		ug/Kg		100	73 - 126	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-446011/9
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	45.2		ug/Kg		113	46 - 151	1	33
cis-1,2-Dichloroethene			40.0	38.7		ug/Kg		97	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	36.7		ug/Kg		92	73 - 127	3	20
Cyclohexane			40.0	39.2		ug/Kg		98	63 - 143	0	25
1,2-Dibromo-3-Chloropropane			40.0	31.7		ug/Kg		79	30 - 163	7	34
1,2-Dibromoethane			40.0	35.1		ug/Kg		88	59 - 137	2	20
1,2-Dichlorobenzene			40.0	36.1		ug/Kg		90	76 - 120	0	20
1,3-Dichlorobenzene			40.0	37.1		ug/Kg		93	77 - 121	1	20
1,4-Dichlorobenzene			40.0	35.9		ug/Kg		90	79 - 120	1	20
Dichlorobromomethane			40.0	39.4		ug/Kg		99	75 - 123	0	20
Dichlorodifluoromethane			40.0	34.6		ug/Kg		87	26 - 149	3	24
1,1-Dichloroethane			40.0	40.0		ug/Kg		100	73 - 124	1	20
1,2-Dichloroethane			40.0	38.6		ug/Kg		97	64 - 140	2	20
1,1-Dichloroethene			40.0	28.5	*1	ug/Kg		71	55 - 136	23	21
1,2-Dichloroethene, Total			80.0	77.2		ug/Kg		97	77 - 119	3	20
1,2-Dichloropropane			40.0	39.1		ug/Kg		98	77 - 119	2	20
1,4-Dioxane			800	758	J	ug/Kg		95	18 - 166	21	40
Ethylbenzene			40.0	36.3		ug/Kg		91	79 - 119	1	20
2-Hexanone			40.0	46.8		ug/Kg		117	42 - 152	8	30
Isopropylbenzene			40.0	37.7		ug/Kg		94	70 - 125	2	21
Methyl acetate			80.0	90.3		ug/Kg		113	20 - 170	5	33
Methylcyclohexane			40.0	37.0		ug/Kg		93	70 - 125	2	22
Methylene Chloride			40.0	35.7		ug/Kg		89	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	38.2		ug/Kg		96	51 - 147	6	27
Methyl tert-butyl ether			40.0	34.6		ug/Kg		87	58 - 132	4	24
m-Xylene & p-Xylene			40.0	36.2		ug/Kg		90	77 - 120	3	20
o-Xylene			40.0	36.1		ug/Kg		90	78 - 118	1	20
Styrene			40.0	37.1		ug/Kg		93	80 - 120	1	20
1,1,2,2-Tetrachloroethane			40.0	35.2		ug/Kg		88	36 - 170	2	23
Tetrachloroethene			40.0	41.1		ug/Kg		103	71 - 121	5	21
Toluene			40.0	37.5		ug/Kg		94	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	38.6		ug/Kg		96	75 - 122	3	20
trans-1,3-Dichloropropene			40.0	35.7		ug/Kg		89	68 - 133	0	20
1,2,3-Trichlorobenzene			40.0	37.9		ug/Kg		95	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	39.0		ug/Kg		98	22 - 170	1	29
1,1,1-Trichloroethane			40.0	38.2		ug/Kg		95	72 - 134	4	20
1,1,2-Trichloroethane			40.0	35.2		ug/Kg		88	66 - 128	0	21
Trichloroethene			40.0	37.8		ug/Kg		94	69 - 118	1	20
Trichlorofluoromethane			40.0	36.5		ug/Kg		91	32 - 149	9	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	11.0	*- *1	ug/Kg		27	59 - 135	73	28
Vinyl chloride			40.0	38.5		ug/Kg		96	64 - 134	2	23
Xylenes, Total			80.0	72.3		ug/Kg		90	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*93*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-446011/9
Matrix: Solid
Analysis Batch: 446011

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*67 - 134*

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 446019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		78.9	30.3		ug/Kg	☼	38	23 - 170
Benzene	ND		39.4	38.1		ug/Kg	☼	97	77 - 120
Bromoform	ND		39.4	45.7		ug/Kg	☼	116	37 - 147
Bromomethane	ND		39.4	37.5		ug/Kg	☼	95	47 - 149
2-Butanone (MEK)	ND		78.9	36.9		ug/Kg	☼	47	39 - 157
Carbon disulfide	ND		39.4	35.1		ug/Kg	☼	89	40 - 156
Carbon tetrachloride	ND		39.4	38.7		ug/Kg	☼	98	73 - 130
Chlorobenzene	ND	F1 F2	39.4	37.3		ug/Kg	☼	95	79 - 122
Chlorobromomethane	ND		39.4	41.8		ug/Kg	☼	106	64 - 128
Chlorodibromomethane	ND		39.4	40.2		ug/Kg	☼	102	60 - 134
Chloroethane	ND		39.4	29.5		ug/Kg	☼	75	37 - 159
Chloroform	ND		39.4	41.8		ug/Kg	☼	106	73 - 126
Chloromethane	ND		39.4	43.4		ug/Kg	☼	110	46 - 151
cis-1,2-Dichloroethene	ND		39.4	37.8		ug/Kg	☼	96	77 - 118
cis-1,3-Dichloropropene	ND		39.4	40.8		ug/Kg	☼	104	73 - 127
Cyclohexane	ND		39.4	36.5		ug/Kg	☼	93	63 - 143
1,2-Dibromo-3-Chloropropane	ND		39.4	38.9		ug/Kg	☼	99	30 - 163
1,2-Dibromoethane	ND		39.4	39.3		ug/Kg	☼	100	59 - 137
1,2-Dichlorobenzene	ND		39.4	36.8		ug/Kg	☼	93	76 - 120
1,3-Dichlorobenzene	ND		39.4	35.6		ug/Kg	☼	90	77 - 121
1,4-Dichlorobenzene	ND		39.4	35.9		ug/Kg	☼	91	79 - 120
Dichlorobromomethane	ND		39.4	42.6		ug/Kg	☼	108	75 - 123
Dichlorodifluoromethane	ND		39.4	31.7		ug/Kg	☼	80	26 - 149
1,1-Dichloroethane	ND		39.4	39.5		ug/Kg	☼	100	73 - 124
1,2-Dichloroethane	ND		39.4	45.5		ug/Kg	☼	115	64 - 140
1,1-Dichloroethene	ND		39.4	36.8		ug/Kg	☼	93	55 - 136
1,2-Dichloroethene, Total	ND		78.9	74.0		ug/Kg	☼	94	77 - 119
1,2-Dichloropropane	ND		39.4	41.7		ug/Kg	☼	106	77 - 119
1,4-Dioxane	ND		789	1240		ug/Kg	☼	158	18 - 166
Ethylbenzene	ND		39.4	35.2		ug/Kg	☼	89	79 - 119
2-Hexanone	ND		78.9	36.7		ug/Kg	☼	46	42 - 152
Isopropylbenzene	ND		39.4	36.5		ug/Kg	☼	93	70 - 125
Methyl acetate	ND		78.9	113		ug/Kg	☼	144	20 - 170
Methylcyclohexane	ND		39.4	35.0		ug/Kg	☼	89	70 - 125
Methylene Chloride	ND		39.4	31.3		ug/Kg	☼	79	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		78.9	44.6		ug/Kg	☼	57	51 - 147
Methyl tert-butyl ether	ND		39.4	42.3		ug/Kg	☼	107	58 - 132
m-Xylene & p-Xylene	ND		39.4	35.0		ug/Kg	☼	89	77 - 120
o-Xylene	ND		39.4	35.7		ug/Kg	☼	91	78 - 118
Styrene	ND		39.4	37.8		ug/Kg	☼	96	80 - 120
1,1,2,2-Tetrachloroethane	ND		39.4	41.5		ug/Kg	☼	105	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 446019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		39.4	38.4		ug/Kg	☼	97	71 - 121
Toluene	ND		39.4	36.3		ug/Kg	☼	92	76 - 120
trans-1,2-Dichloroethene	ND		39.4	36.2		ug/Kg	☼	92	75 - 122
trans-1,3-Dichloropropene	ND		39.4	37.9		ug/Kg	☼	96	68 - 133
1,2,3-Trichlorobenzene	ND		39.4	39.1		ug/Kg	☼	99	29 - 166
1,2,4-Trichlorobenzene	ND		39.4	37.3		ug/Kg	☼	95	22 - 170
1,1,1-Trichloroethane	ND		39.4	38.1		ug/Kg	☼	97	72 - 134
1,1,2-Trichloroethane	ND		39.4	39.9		ug/Kg	☼	101	66 - 128
Trichloroethene	ND		39.4	38.2		ug/Kg	☼	97	69 - 118
Trichlorofluoromethane	ND		39.4	38.7		ug/Kg	☼	98	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	39.4	26.1		ug/Kg	☼	66	59 - 135
Vinyl chloride	ND		39.4	35.3		ug/Kg	☼	90	64 - 134
Xylenes, Total	ND		78.9	70.7		ug/Kg	☼	90	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*102*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 446019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		78.8	29.3		ug/Kg	☼	37	23 - 170	3	35
Benzene	ND		39.4	38.7		ug/Kg	☼	98	77 - 120	2	20
Bromoform	ND		39.4	43.3		ug/Kg	☼	110	37 - 147	5	23
Bromomethane	ND		39.4	37.5		ug/Kg	☼	95	47 - 149	0	25
2-Butanone (MEK)	ND		78.8	37.2		ug/Kg	☼	47	39 - 157	1	33
Carbon disulfide	ND		39.4	35.7		ug/Kg	☼	91	40 - 156	2	25
Carbon tetrachloride	ND		39.4	38.7		ug/Kg	☼	98	73 - 130	0	21
Chlorobenzene	ND	F1 F2	39.4	126	F1 F2	ug/Kg	☼	321	79 - 122	109	20
Chlorobromomethane	ND		39.4	43.1		ug/Kg	☼	109	64 - 128	3	20
Chlorodibromomethane	ND		39.4	40.4		ug/Kg	☼	102	60 - 134	0	40
Chloroethane	ND		39.4	29.9		ug/Kg	☼	76	37 - 159	1	25
Chloroform	ND		39.4	43.8		ug/Kg	☼	111	73 - 126	5	20
Chloromethane	ND		39.4	45.0		ug/Kg	☼	114	46 - 151	4	33
cis-1,2-Dichloroethene	ND		39.4	38.2		ug/Kg	☼	97	77 - 118	1	20
cis-1,3-Dichloropropene	ND		39.4	40.4		ug/Kg	☼	102	73 - 127	1	20
Cyclohexane	ND		39.4	37.1		ug/Kg	☼	94	63 - 143	2	25
1,2-Dibromo-3-Chloropropane	ND		39.4	36.8		ug/Kg	☼	93	30 - 163	6	34
1,2-Dibromoethane	ND		39.4	39.9		ug/Kg	☼	101	59 - 137	2	20
1,2-Dichlorobenzene	ND		39.4	36.8		ug/Kg	☼	93	76 - 120	0	20
1,3-Dichlorobenzene	ND		39.4	36.0		ug/Kg	☼	91	77 - 121	1	20
1,4-Dichlorobenzene	ND		39.4	36.3		ug/Kg	☼	92	79 - 120	1	20
Dichlorobromomethane	ND		39.4	44.2		ug/Kg	☼	112	75 - 123	4	20
Dichlorodifluoromethane	ND		39.4	32.1		ug/Kg	☼	82	26 - 149	1	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 446019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		39.4	40.8		ug/Kg	☼	104	73 - 124	3	20
1,2-Dichloroethane	ND		39.4	44.5		ug/Kg	☼	113	64 - 140	2	20
1,1-Dichloroethene	ND		39.4	30.7		ug/Kg	☼	78	55 - 136	18	21
1,2-Dichloroethene, Total	ND		78.8	76.0		ug/Kg	☼	96	77 - 119	3	20
1,2-Dichloropropane	ND		39.4	42.1		ug/Kg	☼	107	77 - 119	1	20
1,4-Dioxane	ND		788	1120		ug/Kg	☼	142	18 - 166	10	40
Ethylbenzene	ND		39.4	36.9		ug/Kg	☼	94	79 - 119	5	20
2-Hexanone	ND		78.8	36.2		ug/Kg	☼	46	42 - 152	1	30
Isopropylbenzene	ND		39.4	37.4		ug/Kg	☼	95	70 - 125	2	21
Methyl acetate	ND		78.8	107		ug/Kg	☼	136	20 - 170	6	33
Methylcyclohexane	ND		39.4	35.0		ug/Kg	☼	89	70 - 125	0	22
Methylene Chloride	ND		39.4	38.9		ug/Kg	☼	99	67 - 131	22	32
4-Methyl-2-pentanone (MIBK)	ND		78.8	42.6		ug/Kg	☼	54	51 - 147	5	27
Methyl tert-butyl ether	ND		39.4	41.0		ug/Kg	☼	104	58 - 132	3	24
m-Xylene & p-Xylene	ND		39.4	35.8		ug/Kg	☼	91	77 - 120	2	20
o-Xylene	ND		39.4	37.4		ug/Kg	☼	95	78 - 118	5	20
Styrene	ND		39.4	38.7		ug/Kg	☼	98	80 - 120	2	20
1,1,2,2-Tetrachloroethane	ND		39.4	39.9		ug/Kg	☼	101	36 - 170	4	23
Tetrachloroethene	ND		39.4	39.2		ug/Kg	☼	100	71 - 121	2	21
Toluene	ND		39.4	38.0		ug/Kg	☼	96	76 - 120	4	20
trans-1,2-Dichloroethene	ND		39.4	37.7		ug/Kg	☼	96	75 - 122	4	20
trans-1,3-Dichloropropene	ND		39.4	38.7		ug/Kg	☼	98	68 - 133	2	20
1,2,3-Trichlorobenzene	ND		39.4	40.3		ug/Kg	☼	102	29 - 166	3	40
1,2,4-Trichlorobenzene	ND		39.4	38.3		ug/Kg	☼	97	22 - 170	3	29
1,1,1-Trichloroethane	ND		39.4	38.8		ug/Kg	☼	98	72 - 134	2	20
1,1,2-Trichloroethane	ND		39.4	40.1		ug/Kg	☼	102	66 - 128	0	21
Trichloroethene	ND		39.4	38.1		ug/Kg	☼	97	69 - 118	0	20
Trichlorofluoromethane	ND		39.4	39.4		ug/Kg	☼	100	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	39.4	26.6		ug/Kg	☼	67	59 - 135	2	28
Vinyl chloride	ND		39.4	37.4		ug/Kg	☼	95	64 - 134	6	23
Xylenes, Total	ND		78.8	73.2		ug/Kg	☼	93	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Lab Sample ID: MB 180-446044/7
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/11/23 10:02	1
Benzene	ND		5.0	1.4	ug/Kg			09/11/23 10:02	1
Bromoform	ND		5.0	2.5	ug/Kg			09/11/23 10:02	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/11/23 10:02	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/11/23 10:02	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-446044/7
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/11/23 10:02	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/11/23 10:02	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/11/23 10:02	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/11/23 10:02	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/11/23 10:02	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/11/23 10:02	1
Chloroform	ND		5.0	3.4	ug/Kg			09/11/23 10:02	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/11/23 10:02	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/11/23 10:02	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/11/23 10:02	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/11/23 10:02	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/11/23 10:02	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/11/23 10:02	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/11/23 10:02	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/11/23 10:02	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/11/23 10:02	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/11/23 10:02	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/11/23 10:02	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/11/23 10:02	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/11/23 10:02	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/11/23 10:02	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/11/23 10:02	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/11/23 10:02	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/11/23 10:02	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/11/23 10:02	1
2-Hexanone	ND		25	1.6	ug/Kg			09/11/23 10:02	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/11/23 10:02	1
Methyl acetate	ND		25	7.4	ug/Kg			09/11/23 10:02	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/11/23 10:02	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/11/23 10:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/11/23 10:02	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/11/23 10:02	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/11/23 10:02	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/11/23 10:02	1
Styrene	ND		5.0	1.5	ug/Kg			09/11/23 10:02	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/11/23 10:02	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/11/23 10:02	1
Toluene	ND		5.0	1.4	ug/Kg			09/11/23 10:02	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/11/23 10:02	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/11/23 10:02	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/11/23 10:02	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/11/23 10:02	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/11/23 10:02	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/11/23 10:02	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/11/23 10:02	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/11/23 10:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/11/23 10:02	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/11/23 10:02	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/11/23 10:02	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		60 - 124		09/11/23 10:02	1
Dibromofluoromethane (Surr)	96		69 - 126		09/11/23 10:02	1
1,2-Dichloroethane-d4 (Surr)	109		73 - 135		09/11/23 10:02	1
Toluene-d8 (Surr)	77		67 - 134		09/11/23 10:02	1

Lab Sample ID: LCS 180-446044/4
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	80.0	68.0		ug/Kg		85	23 - 170
Benzene	40.0	39.5		ug/Kg		99	77 - 120
Bromoform	40.0	45.9		ug/Kg		115	37 - 147
Bromomethane	40.0	47.0		ug/Kg		118	47 - 149
2-Butanone (MEK)	80.0	67.0		ug/Kg		84	39 - 157
Carbon disulfide	40.0	38.1		ug/Kg		95	40 - 156
Carbon tetrachloride	40.0	39.5		ug/Kg		99	73 - 130
Chlorobenzene	40.0	36.1		ug/Kg		90	79 - 122
Chlorobromomethane	40.0	43.0		ug/Kg		108	64 - 128
Chlorodibromomethane	40.0	40.8		ug/Kg		102	60 - 134
Chloroethane	40.0	43.2		ug/Kg		108	37 - 159
Chloroform	40.0	43.4		ug/Kg		108	73 - 126
Chloromethane	40.0	54.9		ug/Kg		137	46 - 151
cis-1,2-Dichloroethene	40.0	40.4		ug/Kg		101	77 - 118
cis-1,3-Dichloropropene	40.0	43.0		ug/Kg		107	73 - 127
Cyclohexane	40.0	36.1		ug/Kg		90	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	37.3		ug/Kg		93	30 - 163
1,2-Dibromoethane	40.0	42.4		ug/Kg		106	59 - 137
1,2-Dichlorobenzene	40.0	35.3		ug/Kg		88	76 - 120
1,3-Dichlorobenzene	40.0	34.3		ug/Kg		86	77 - 121
1,4-Dichlorobenzene	40.0	34.3		ug/Kg		86	79 - 120
Dichlorobromomethane	40.0	43.8		ug/Kg		110	75 - 123
Dichlorodifluoromethane	40.0	43.1		ug/Kg		108	26 - 149
1,1-Dichloroethane	40.0	43.0		ug/Kg		107	73 - 124
1,2-Dichloroethane	40.0	46.5		ug/Kg		116	64 - 140
1,1-Dichloroethene	40.0	37.6		ug/Kg		94	55 - 136
1,2-Dichloroethene, Total	80.0	79.7		ug/Kg		100	77 - 119
1,2-Dichloropropane	40.0	43.5		ug/Kg		109	77 - 119
1,4-Dioxane	800	647	J	ug/Kg		81	18 - 166
Ethylbenzene	40.0	34.7		ug/Kg		87	79 - 119
2-Hexanone	80.0	59.3		ug/Kg		74	42 - 152
Isopropylbenzene	40.0	35.2		ug/Kg		88	70 - 125
Methyl acetate	80.0	130		ug/Kg		163	20 - 170
Methylcyclohexane	40.0	37.0		ug/Kg		92	70 - 125
Methylene Chloride	40.0	41.3		ug/Kg		103	67 - 131
4-Methyl-2-pentanone (MIBK)	80.0	49.9		ug/Kg		62	51 - 147
Methyl tert-butyl ether	40.0	44.8		ug/Kg		112	58 - 132
m-Xylene & p-Xylene	40.0	34.6		ug/Kg		87	77 - 120
o-Xylene	40.0	34.6		ug/Kg		87	78 - 118
Styrene	40.0	36.9		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	42.2		ug/Kg		106	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-446044/4
Matrix: Solid
Analysis Batch: 446044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	38.1		ug/Kg		95	71 - 121
Toluene	40.0	36.4		ug/Kg		91	76 - 120
trans-1,2-Dichloroethene	40.0	39.3		ug/Kg		98	75 - 122
trans-1,3-Dichloropropene	40.0	39.3		ug/Kg		98	68 - 133
1,2,3-Trichlorobenzene	40.0	38.9		ug/Kg		97	29 - 166
1,2,4-Trichlorobenzene	40.0	36.7		ug/Kg		92	22 - 170
1,1,1-Trichloroethane	40.0	40.0		ug/Kg		100	72 - 134
1,1,2-Trichloroethane	40.0	40.3		ug/Kg		101	66 - 128
Trichloroethene	40.0	38.9		ug/Kg		97	69 - 118
Trichlorofluoromethane	40.0	54.0		ug/Kg		135	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	19.6	*-	ug/Kg		49	59 - 135
Vinyl chloride	40.0	47.5		ug/Kg		119	64 - 134
Xylenes, Total	80.0	69.2		ug/Kg		87	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*108*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*
Toluene-d8 (Surr)	*90*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-447043/1-A
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Acenaphthylene	ND		67	15	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Acetophenone	ND		670	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Anthracene	ND		67	17	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Atrazine	ND		670	150	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Benzaldehyde	ND		670	41	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Benzo[a]anthracene	ND		67	30	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Benzo[a]pyrene	ND		67	29	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
1,1'-Biphenyl	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Caprolactam	ND		1700	220	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Carbazole	ND		67	16	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4-Chloroaniline	ND		330	88	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-447043/1-A
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		67	15	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2-Chlorophenol	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Chrysene	ND		67	37	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Dibenzofuran	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Diethyl phthalate	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Dimethyl phthalate	ND		330	130	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
1,4-Dioxane	ND		670	100	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Fluoranthene	ND		67	18	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Fluorene	ND		67	13	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Hexachlorobenzene	ND		67	24	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Hexachlorobutadiene	ND		67	20	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Hexachloroethane	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Isophorone	ND		330	130	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2-Methylnaphthalene	ND		67	16	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2-Methylphenol	ND		330	96	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Naphthalene	ND		67	13	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2-Nitroaniline	ND		1700	150	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
3-Nitroaniline	ND		1700	85	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4-Nitroaniline	ND		1700	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Nitrobenzene	ND		670	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2-Nitrophenol	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
4-Nitrophenol	ND		1700	230	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Pentachlorophenol	ND		1700	540	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Phenanthrene	ND		67	18	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Phenol	ND		330	100	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
Pyrene	ND		67	16	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		09/20/23 06:01	09/20/23 12:58	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		09/20/23 06:01	09/20/23 12:58	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-447043/1-A
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447043

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		44 - 105	09/20/23 06:01	09/20/23 12:58	1
2-Fluorophenol (Surr)	67		48 - 105	09/20/23 06:01	09/20/23 12:58	1
Nitrobenzene-d5 (Surr)	66		46 - 105	09/20/23 06:01	09/20/23 12:58	1
Phenol-d5 (Surr)	63		46 - 105	09/20/23 06:01	09/20/23 12:58	1
Terphenyl-d14 (Surr)	63		39 - 105	09/20/23 06:01	09/20/23 12:58	1
2,4,6-Tribromophenol (Surr)	72		34 - 108	09/20/23 06:01	09/20/23 12:58	1

Lab Sample ID: LCS 180-447043/2-A
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4420		ug/Kg		66	50 - 100
Acenaphthylene	6670	4660		ug/Kg		70	52 - 100
Acetophenone	6670	4340		ug/Kg		65	48 - 100
Anthracene	6670	4340		ug/Kg		65	53 - 100
Atrazine	6670	3910		ug/Kg		59	49 - 103
Benzaldehyde	6670	4600		ug/Kg		69	23 - 105
Benzo[a]anthracene	6670	4270		ug/Kg		64	51 - 100
Benzo[a]pyrene	6670	4560		ug/Kg		68	51 - 100
Benzo[b]fluoranthene	6670	4390		ug/Kg		66	48 - 100
Benzo[g,h,i]perylene	6670	4080		ug/Kg		61	48 - 105
Benzo[k]fluoranthene	6670	4180		ug/Kg		63	19 - 100
1,1'-Biphenyl	6670	4540		ug/Kg		68	50 - 100
Bis(2-chloroethoxy)methane	6670	4140		ug/Kg		62	49 - 100
Bis(2-chloroethyl)ether	6670	4330		ug/Kg		65	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4330		ug/Kg		65	53 - 107
4-Bromophenyl phenyl ether	6670	4610		ug/Kg		69	52 - 101
Butyl benzyl phthalate	6670	4210		ug/Kg		63	52 - 107
Caprolactam	6670	4470		ug/Kg		67	48 - 111
Carbazole	6670	4340		ug/Kg		65	53 - 100
4-Chloroaniline	6670	3440		ug/Kg		52	47 - 100
4-Chloro-3-methylphenol	6670	4450		ug/Kg		67	49 - 106
2-Chloronaphthalene	6670	4560		ug/Kg		68	51 - 100
2-Chlorophenol	6670	4610		ug/Kg		69	51 - 100
4-Chlorophenyl phenyl ether	6670	4420		ug/Kg		66	52 - 100
Chrysene	6670	4430		ug/Kg		66	50 - 100
Dibenz(a,h)anthracene	6670	4260		ug/Kg		64	50 - 107
Dibenzofuran	6670	4300		ug/Kg		65	52 - 100
3,3'-Dichlorobenzidine	6670	4300		ug/Kg		65	43 - 100
2,4-Dichlorophenol	6670	4710		ug/Kg		71	53 - 101
Diethyl phthalate	6670	4420		ug/Kg		66	48 - 104
2,4-Dimethylphenol	6670	3880		ug/Kg		58	51 - 101
Dimethyl phthalate	6670	4560		ug/Kg		68	53 - 100
Di-n-butyl phthalate	6670	4350		ug/Kg		65	57 - 102
4,6-Dinitro-2-methylphenol	13300	9610		ug/Kg		72	51 - 100
2,4-Dinitrophenol	13300	8750		ug/Kg		66	33 - 101
2,4-Dinitrotoluene	6670	5000		ug/Kg		75	54 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-447043/2-A
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	6670	4790		ug/Kg		72	51 - 106
Di-n-octyl phthalate	6670	4550		ug/Kg		68	41 - 106
1,4-Dioxane	6670	4670		ug/Kg		70	25 - 125
Fluoranthene	6670	4330		ug/Kg		65	55 - 100
Fluorene	6670	4340		ug/Kg		65	52 - 100
Hexachlorobenzene	6670	4500		ug/Kg		68	49 - 100
Hexachlorobutadiene	6670	4670		ug/Kg		70	38 - 107
Hexachlorocyclopentadiene	6670	3360		ug/Kg		50	33 - 117
Hexachloroethane	6670	4590		ug/Kg		69	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4300		ug/Kg		65	51 - 103
Isophorone	6670	4400		ug/Kg		66	48 - 105
2-Methylnaphthalene	6670	4500		ug/Kg		68	53 - 100
2-Methylphenol	6670	4500		ug/Kg		68	50 - 101
Methylphenol, 3 & 4	6670	4650		ug/Kg		70	50 - 103
Naphthalene	6670	4360		ug/Kg		65	51 - 100
2-Nitroaniline	6670	4650		ug/Kg		70	42 - 123
3-Nitroaniline	6670	4200		ug/Kg		63	50 - 103
4-Nitroaniline	6670	4500		ug/Kg		67	52 - 103
Nitrobenzene	6670	4370		ug/Kg		66	44 - 108
2-Nitrophenol	6670	4850		ug/Kg		73	55 - 107
4-Nitrophenol	13300	9830		ug/Kg		74	30 - 134
N-Nitrosodi-n-propylamine	6670	4390		ug/Kg		66	45 - 107
N-Nitrosodiphenylamine	6670	4560		ug/Kg		68	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4110		ug/Kg		62	30 - 113
Pentachlorophenol	13300	9570		ug/Kg		72	42 - 110
Phenanthrene	6670	4400		ug/Kg		66	53 - 100
Phenol	6670	4410		ug/Kg		66	49 - 100
Pyrene	6670	4220		ug/Kg		63	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4590		ug/Kg		69	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4340		ug/Kg		65	47 - 104
2,4,5-Trichlorophenol	6670	4610		ug/Kg		69	50 - 104
2,4,6-Trichlorophenol	6670	4710		ug/Kg		71	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*44 - 105*
2-Fluorophenol (Surr)	*70*		*48 - 105*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*
Phenol-d5 (Surr)	*65*		*46 - 105*
Terphenyl-d14 (Surr)	*58*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 447043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		6780	4660		ug/Kg	☼	69	50 - 100
Acenaphthylene	ND		6780	4810		ug/Kg	☼	71	52 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162028-11 MS
Client Sample ID: SSHS-IRM5A2-HR-B55
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447098
Prep Batch: 447043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetophenone	ND		6780	4390		ug/Kg	☼	65	48 - 100
Anthracene	ND		6780	4660		ug/Kg	☼	69	53 - 100
Atrazine	ND		6780	3800		ug/Kg	☼	56	49 - 103
Benzaldehyde	ND	F1	6780	412	J F1	ug/Kg	☼	6	23 - 105
Benzo[a]anthracene	ND		6780	4690		ug/Kg	☼	69	51 - 100
Benzo[a]pyrene	ND		6780	5070		ug/Kg	☼	75	51 - 100
Benzo[b]fluoranthene	ND		6780	4820		ug/Kg	☼	71	48 - 100
Benzo[g,h,i]perylene	ND		6780	4580		ug/Kg	☼	68	48 - 105
Benzo[k]fluoranthene	ND		6780	4640		ug/Kg	☼	69	19 - 100
1,1'-Biphenyl	ND		6780	4760		ug/Kg	☼	70	50 - 100
Bis(2-chloroethoxy)methane	ND		6780	4270		ug/Kg	☼	63	49 - 100
Bis(2-chloroethyl)ether	ND		6780	4170		ug/Kg	☼	61	48 - 100
Bis(2-ethylhexyl) phthalate	ND		6780	4770		ug/Kg	☼	70	53 - 107
4-Bromophenyl phenyl ether	ND		6780	5130		ug/Kg	☼	76	52 - 101
Butyl benzyl phthalate	ND		6780	4640		ug/Kg	☼	68	52 - 107
Caprolactam	ND		6780	4930		ug/Kg	☼	73	48 - 111
Carbazole	ND		6780	4780		ug/Kg	☼	70	53 - 100
4-Chloroaniline	ND		6780	4180		ug/Kg	☼	62	47 - 100
4-Chloro-3-methylphenol	ND		6780	4690		ug/Kg	☼	69	49 - 106
2-Chloronaphthalene	ND		6780	4850		ug/Kg	☼	72	51 - 100
2-Chlorophenol	ND		6780	4600		ug/Kg	☼	68	51 - 100
4-Chlorophenyl phenyl ether	ND		6780	4710		ug/Kg	☼	70	52 - 100
Chrysene	ND		6780	4870		ug/Kg	☼	72	50 - 100
Dibenz(a,h)anthracene	ND		6780	4750		ug/Kg	☼	70	50 - 107
Dibenzofuran	ND		6780	4680		ug/Kg	☼	69	52 - 100
3,3'-Dichlorobenzidine	ND		6780	4330		ug/Kg	☼	64	43 - 100
2,4-Dichlorophenol	ND		6780	4750		ug/Kg	☼	70	53 - 101
Diethyl phthalate	ND		6780	4690		ug/Kg	☼	69	48 - 104
2,4-Dimethylphenol	ND		6780	3600		ug/Kg	☼	53	51 - 101
Dimethyl phthalate	ND		6780	4860		ug/Kg	☼	72	53 - 100
Di-n-butyl phthalate	ND		6780	4850		ug/Kg	☼	72	57 - 102
4,6-Dinitro-2-methylphenol	ND		13600	9930		ug/Kg	☼	73	51 - 100
2,4-Dinitrophenol	ND		13600	7320		ug/Kg	☼	54	33 - 101
2,4-Dinitrotoluene	ND		6780	5450		ug/Kg	☼	80	54 - 104
2,6-Dinitrotoluene	ND		6780	5130		ug/Kg	☼	76	51 - 106
Di-n-octyl phthalate	ND		6780	4930		ug/Kg	☼	73	41 - 106
1,4-Dioxane	ND		6780	4410		ug/Kg	☼	65	25 - 125
Fluoranthene	ND		6780	4700		ug/Kg	☼	69	55 - 100
Fluorene	ND		6780	4700		ug/Kg	☼	69	52 - 100
Hexachlorobenzene	ND		6780	4950		ug/Kg	☼	73	49 - 100
Hexachlorobutadiene	ND		6780	4710		ug/Kg	☼	69	38 - 107
Hexachlorocyclopentadiene	ND		6780	2510		ug/Kg	☼	37	33 - 117
Hexachloroethane	ND		6780	4360		ug/Kg	☼	64	47 - 100
Indeno[1,2,3-cd]pyrene	ND		6780	4800		ug/Kg	☼	71	51 - 103
Isophorone	ND		6780	4640		ug/Kg	☼	68	48 - 105
2-Methylnaphthalene	ND		6780	4650		ug/Kg	☼	69	53 - 100
2-Methylphenol	ND		6780	4520		ug/Kg	☼	67	50 - 101
Methylphenol, 3 & 4	ND		6780	4480		ug/Kg	☼	66	50 - 103
Naphthalene	ND		6780	4520		ug/Kg	☼	67	51 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 447043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	ND		6780	4930		ug/Kg	☼	73	42 - 123
3-Nitroaniline	ND		6780	4880		ug/Kg	☼	72	50 - 103
4-Nitroaniline	ND		6780	5050		ug/Kg	☼	74	52 - 103
Nitrobenzene	ND		6780	4510		ug/Kg	☼	66	44 - 108
2-Nitrophenol	ND		6780	5070		ug/Kg	☼	75	55 - 107
4-Nitrophenol	ND		13600	10400		ug/Kg	☼	77	30 - 134
N-Nitrosodi-n-propylamine	ND		6780	4470		ug/Kg	☼	66	45 - 107
N-Nitrosodiphenylamine	ND		6780	4950		ug/Kg	☼	73	52 - 100
2,2'-oxybis[1-chloropropane]	ND		6780	4130		ug/Kg	☼	61	30 - 113
Pentachlorophenol	ND		13600	9230		ug/Kg	☼	68	42 - 110
Phenanthrene	ND		6780	4830		ug/Kg	☼	71	53 - 100
Phenol	ND		6780	4360		ug/Kg	☼	64	49 - 100
Pyrene	ND		6780	4730		ug/Kg	☼	70	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		6780	4790		ug/Kg	☼	71	41 - 104
2,3,4,6-Tetrachlorophenol	ND		6780	4320		ug/Kg	☼	64	47 - 104
2,4,5-Trichlorophenol	ND		6780	4660		ug/Kg	☼	69	50 - 104
2,4,6-Trichlorophenol	ND		6780	4880		ug/Kg	☼	72	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*
Phenol-d5 (Surr)	*77*		*46 - 105*
Terphenyl-d14 (Surr)	*80*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 447043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		6910	5360		ug/Kg	☼	78	50 - 100	14	20
Acenaphthylene	ND		6910	5530		ug/Kg	☼	80	52 - 100	14	20
Acetophenone	ND		6910	5030		ug/Kg	☼	73	48 - 100	14	17
Anthracene	ND		6910	5160		ug/Kg	☼	75	53 - 100	10	20
Atrazine	ND		6910	4140		ug/Kg	☼	60	49 - 103	8	19
Benzaldehyde	ND	F1	6910	490	J F1	ug/Kg	☼	7	23 - 105	17	31
Benzo[a]anthracene	ND		6910	5190		ug/Kg	☼	75	51 - 100	10	21
Benzo[a]pyrene	ND		6910	5700		ug/Kg	☼	83	51 - 100	12	20
Benzo[b]fluoranthene	ND		6910	5270		ug/Kg	☼	76	48 - 100	9	20
Benzo[g,h,i]perylene	ND		6910	5180		ug/Kg	☼	75	48 - 105	12	19
Benzo[k]fluoranthene	ND		6910	5420		ug/Kg	☼	78	19 - 100	15	20
1,1'-Biphenyl	ND		6910	5410		ug/Kg	☼	78	50 - 100	13	19
Bis(2-chloroethoxy)methane	ND		6910	4970		ug/Kg	☼	72	49 - 100	15	20
Bis(2-chloroethyl)ether	ND		6910	4740		ug/Kg	☼	69	48 - 100	13	18
Bis(2-ethylhexyl) phthalate	ND		6910	5290		ug/Kg	☼	77	53 - 107	10	20
4-Bromophenyl phenyl ether	ND		6910	5580		ug/Kg	☼	81	52 - 101	9	20
Butyl benzyl phthalate	ND		6910	5160		ug/Kg	☼	75	52 - 107	11	19

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162028-11 MSD
Client Sample ID: SSHS-IRM5A2-HR-B55
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447098
Prep Batch: 447043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Caprolactam	ND		6910	5650		ug/Kg	☼	82	48 - 111	14	23
Carbazole	ND		6910	5220		ug/Kg	☼	76	53 - 100	9	20
4-Chloroaniline	ND		6910	4730		ug/Kg	☼	69	47 - 100	13	20
4-Chloro-3-methylphenol	ND		6910	5330		ug/Kg	☼	77	49 - 106	13	20
2-Chloronaphthalene	ND		6910	5460		ug/Kg	☼	79	51 - 100	12	20
2-Chlorophenol	ND		6910	4980		ug/Kg	☼	72	51 - 100	8	17
4-Chlorophenyl phenyl ether	ND		6910	5370		ug/Kg	☼	78	52 - 100	13	19
Chrysene	ND		6910	5430		ug/Kg	☼	79	50 - 100	11	20
Dibenz(a,h)anthracene	ND		6910	5290		ug/Kg	☼	77	50 - 107	11	21
Dibenzofuran	ND		6910	5240		ug/Kg	☼	76	52 - 100	11	19
3,3'-Dichlorobenzidine	ND		6910	4770		ug/Kg	☼	69	43 - 100	10	19
2,4-Dichlorophenol	ND		6910	5520		ug/Kg	☼	80	53 - 101	15	22
Diethyl phthalate	ND		6910	5380		ug/Kg	☼	78	48 - 104	14	20
2,4-Dimethylphenol	ND		6910	4210		ug/Kg	☼	61	51 - 101	16	32
Dimethyl phthalate	ND		6910	5510		ug/Kg	☼	80	53 - 100	12	21
Di-n-butyl phthalate	ND		6910	5270		ug/Kg	☼	76	57 - 102	8	20
4,6-Dinitro-2-methylphenol	ND		13800	11100		ug/Kg	☼	80	51 - 100	11	22
2,4-Dinitrophenol	ND		13800	8230		ug/Kg	☼	60	33 - 101	12	20
2,4-Dinitrotoluene	ND		6910	6060		ug/Kg	☼	88	54 - 104	11	20
2,6-Dinitrotoluene	ND		6910	5850		ug/Kg	☼	85	51 - 106	13	20
Di-n-octyl phthalate	ND		6910	5570		ug/Kg	☼	81	41 - 106	12	18
1,4-Dioxane	ND		6910	4590		ug/Kg	☼	66	25 - 125	4	17
Fluoranthene	ND		6910	5200		ug/Kg	☼	75	55 - 100	10	20
Fluorene	ND		6910	5410		ug/Kg	☼	78	52 - 100	14	19
Hexachlorobenzene	ND		6910	5370		ug/Kg	☼	78	49 - 100	8	20
Hexachlorobutadiene	ND		6910	5370		ug/Kg	☼	78	38 - 107	13	22
Hexachlorocyclopentadiene	ND		6910	2820		ug/Kg	☼	41	33 - 117	12	19
Hexachloroethane	ND		6910	4930		ug/Kg	☼	71	47 - 100	12	17
Indeno[1,2,3-cd]pyrene	ND		6910	5370		ug/Kg	☼	78	51 - 103	11	19
Isophorone	ND		6910	5270		ug/Kg	☼	76	48 - 105	13	20
2-Methylnaphthalene	ND		6910	5450		ug/Kg	☼	79	53 - 100	16	21
2-Methylphenol	ND		6910	5060		ug/Kg	☼	73	50 - 101	11	17
Methylphenol, 3 & 4	ND		6910	5150		ug/Kg	☼	74	50 - 103	14	19
Naphthalene	ND		6910	5200		ug/Kg	☼	75	51 - 100	14	20
2-Nitroaniline	ND		6910	5570		ug/Kg	☼	81	42 - 123	12	19
3-Nitroaniline	ND		6910	5550		ug/Kg	☼	80	50 - 103	13	20
4-Nitroaniline	ND		6910	5720		ug/Kg	☼	83	52 - 103	13	18
Nitrobenzene	ND		6910	5230		ug/Kg	☼	76	44 - 108	15	21
2-Nitrophenol	ND		6910	5630		ug/Kg	☼	81	55 - 107	10	19
4-Nitrophenol	ND		13800	11900		ug/Kg	☼	86	30 - 134	13	18
N-Nitrosodi-n-propylamine	ND		6910	5090		ug/Kg	☼	74	45 - 107	13	18
N-Nitrosodiphenylamine	ND		6910	5390		ug/Kg	☼	78	52 - 100	8	20
2,2'-oxybis[1-chloropropane]	ND		6910	4580		ug/Kg	☼	66	30 - 113	10	17
Pentachlorophenol	ND		13800	10200		ug/Kg	☼	74	42 - 110	10	20
Phenanthrene	ND		6910	5260		ug/Kg	☼	76	53 - 100	9	20
Phenol	ND		6910	4930		ug/Kg	☼	71	49 - 100	12	16
Pyrene	ND		6910	5250		ug/Kg	☼	76	52 - 100	10	20
1,2,4,5-Tetrachlorobenzene	ND		6910	5460		ug/Kg	☼	79	41 - 104	13	21
2,3,4,6-Tetrachlorophenol	ND		6910	4960		ug/Kg	☼	72	47 - 104	14	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 447098

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 447043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		6910	5390		ug/Kg	☼	78	50 - 104	14	21
2,4,6-Trichlorophenol	ND		6910	5680		ug/Kg	☼	82	50 - 105	15	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*44 - 105*
2-Fluorophenol (Surr)	*83*		*48 - 105*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*
Phenol-d5 (Surr)	*84*		*46 - 105*
Terphenyl-d14 (Surr)	*85*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*93*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-446539/1-C
Matrix: Solid
Analysis Batch: 446612

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		13	4.1	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1221	ND		13	4.4	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1232	ND		13	3.0	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1242	ND		13	1.8	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1248	ND		13	3.0	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1254	ND		13	3.8	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1260	ND		13	3.6	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1262	ND		13	4.4	ug/Kg		09/14/23 14:00	09/15/23 20:33	1
PCB-1268	ND		13	1.7	ug/Kg		09/14/23 14:00	09/15/23 20:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*09/14/23 14:00*	*09/15/23 20:33*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*09/14/23 14:00*	*09/15/23 20:33*	*1*
Tetrachloro-m-xylene (Surr)	*61*		*55 - 135*	*09/14/23 14:00*	*09/15/23 20:33*	*1*
Tetrachloro-m-xylene (Surr)	*63*		*55 - 135*	*09/14/23 14:00*	*09/15/23 20:33*	*1*

Lab Sample ID: LCS 180-446539/2-C
Matrix: Solid
Analysis Batch: 446612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	766		ug/Kg		57	43 - 136
PCB-1260	1330	788		ug/Kg		59	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*67*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-162028-11 MS
Matrix: Solid
Analysis Batch: 446612

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 446539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1390	683		ug/Kg	☼	49	43 - 136
PCB-1260	ND	F1	1390	726	F1	ug/Kg	☼	52	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*70*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*59*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*56*		*55 - 135*

Lab Sample ID: 180-162028-11 MSD
Matrix: Solid
Analysis Batch: 446612

Client Sample ID: SSHS-IRM5A2-HR-B55
Prep Type: Total/NA
Prep Batch: 446539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1370	682		ug/Kg	☼	50	43 - 136	0	40
PCB-1260	ND	F1	1370	722	F1	ug/Kg	☼	53	55 - 128	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*74*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*71*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*60*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*60*		*55 - 135*

Lab Sample ID: MB 180-446666/1-A
Matrix: Solid
Analysis Batch: 446953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1221	ND		17	5.9	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1232	ND		17	4.1	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1242	ND		17	2.4	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1248	ND		17	4.0	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1254	ND		17	5.0	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1260	ND		17	4.7	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1262	ND		17	5.9	ug/Kg		09/15/23 13:00	09/19/23 15:27	1
PCB-1268	ND		17	2.2	ug/Kg		09/15/23 13:00	09/19/23 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*144*	*S1+*	*63 - 138*	*09/15/23 13:00*	*09/19/23 15:27*	*1*
DCB Decachlorobiphenyl (Surr)	*132*		*63 - 138*	*09/15/23 13:00*	*09/19/23 15:27*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*09/15/23 13:00*	*09/19/23 15:27*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*09/15/23 13:00*	*09/19/23 15:27*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-446666/2-A
Matrix: Solid
Analysis Batch: 446953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446666

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1320		ug/Kg		99	43 - 136		
PCB-1260			1330	1410		ug/Kg		106	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*142*	*S1+*	*63 - 138*
DCB Decachlorobiphenyl (Surr)	*129*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*119*		*55 - 135*

Lab Sample ID: 180-162028-1 MS
Matrix: Solid
Analysis Batch: 446953

Client Sample ID: SSHS-IRM5A2-HR-B46
Prep Type: Total/NA
Prep Batch: 446666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1340	1130		ug/Kg	☼	84	43 - 136		
PCB-1260	ND		1340	1120		ug/Kg	☼	83	55 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*

Lab Sample ID: 180-162028-1 MSD
Matrix: Solid
Analysis Batch: 446953

Client Sample ID: SSHS-IRM5A2-HR-B46
Prep Type: Total/NA
Prep Batch: 446666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1360	1120		ug/Kg	☼	83	43 - 136	1	40
PCB-1260	ND		1360	1080		ug/Kg	☼	79	55 - 128	4	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-446177/1-A
Matrix: Solid
Analysis Batch: 448290

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		19	4.7	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Antimony	ND	^+	0.94	0.29	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Arsenic	ND		0.94	0.59	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Barium	ND		19	3.4	mg/Kg		09/12/23 08:47	10/03/23 17:09	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-446177/1-A
Matrix: Solid
Analysis Batch: 448290

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.38	0.10	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Cadmium	ND		0.47	0.069	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Calcium	ND		470	61	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Chromium	ND		0.47	0.43	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Cobalt	ND		4.7	0.66	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Copper	ND		2.4	1.4	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Iron	ND		9.4	9.2	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Lead	ND		0.94	0.82	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Magnesium	ND		470	52	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Manganese	ND		1.4	0.26	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Nickel	ND		3.8	0.48	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Potassium	ND		470	80	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Selenium	ND	^+	0.94	0.43	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Silver	ND		0.47	0.098	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Sodium	ND		470	48	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Thallium	ND		1.9	0.27	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Vanadium	ND		4.7	0.75	mg/Kg		09/12/23 08:47	10/03/23 17:09	1
Zinc	ND		1.9	1.4	mg/Kg		09/12/23 08:47	10/03/23 17:09	1

Lab Sample ID: LCS 180-446177/2-A
Matrix: Solid
Analysis Batch: 448290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	472	506		mg/Kg		107	80 - 120
Antimony	23.6	25.9	^+	mg/Kg		110	80 - 120
Arsenic	94.3	100		mg/Kg		106	80 - 120
Barium	94.3	97.8		mg/Kg		104	80 - 120
Beryllium	47.2	50.0		mg/Kg		106	80 - 120
Cadmium	47.2	51.0		mg/Kg		108	80 - 120
Calcium	2360	2460		mg/Kg		104	80 - 120
Chromium	47.2	46.6		mg/Kg		99	80 - 120
Cobalt	47.2	45.8		mg/Kg		97	80 - 120
Copper	47.2	47.8		mg/Kg		101	80 - 120
Iron	472	491		mg/Kg		104	80 - 120
Lead	47.2	47.4		mg/Kg		100	80 - 120
Magnesium	2360	2450		mg/Kg		104	80 - 120
Manganese	47.2	48.7		mg/Kg		103	80 - 120
Nickel	47.2	45.6		mg/Kg		97	80 - 120
Potassium	2360	2490		mg/Kg		106	80 - 120
Selenium	94.3	104	^+	mg/Kg		110	80 - 120
Silver	23.6	22.4		mg/Kg		95	80 - 120
Sodium	2360	2490		mg/Kg		106	80 - 120
Thallium	94.3	94.3		mg/Kg		100	80 - 120
Vanadium	47.2	48.0		mg/Kg		102	80 - 120
Zinc	23.6	25.3		mg/Kg		107	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-162028-11 MS
Client Sample ID: SSHS-IRM5A2-HR-B55
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448290
Prep Batch: 446177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	12000		381	13200	4	mg/Kg	☼	248	75 - 125
Antimony	ND	F1 ^+	19.0	4.80	^+ F1	mg/Kg	☼	25	75 - 125
Arsenic	14		76.1	80.2		mg/Kg	☼	86	75 - 125
Barium	94		76.1	169		mg/Kg	☼	98	75 - 125
Beryllium	0.49		38.1	35.6		mg/Kg	☼	92	75 - 125
Cadmium	0.47		38.1	36.7		mg/Kg	☼	95	75 - 125
Calcium	5300	F1	1900	5540	F1	mg/Kg	☼	11	75 - 125
Chromium	15		38.1	49.2		mg/Kg	☼	90	75 - 125
Cobalt	11		38.1	46.6		mg/Kg	☼	94	75 - 125
Copper	21	F1	38.1	70.2	F1	mg/Kg	☼	128	75 - 125
Iron	28000		381	29400	4	mg/Kg	☼	372	75 - 125
Lead	20	F1	38.1	47.3	F1	mg/Kg	☼	72	75 - 125
Magnesium	4000		1900	5850		mg/Kg	☼	95	75 - 125
Manganese	490	F2	38.1	534	4	mg/Kg	☼	103	75 - 125
Nickel	25		38.1	60.9		mg/Kg	☼	96	75 - 125
Potassium	1100	F1	1900	2390	F1	mg/Kg	☼	70	75 - 125
Selenium	ND	^+	76.1	71.7	^+	mg/Kg	☼	94	75 - 125
Silver	ND		19.0	16.6		mg/Kg	☼	87	75 - 125
Sodium	78	J	1900	1860		mg/Kg	☼	94	75 - 125
Thallium	0.36	J	76.1	73.5		mg/Kg	☼	96	75 - 125
Vanadium	17		38.1	53.2		mg/Kg	☼	95	75 - 125
Zinc	63		19.0	83.0		mg/Kg	☼	103	75 - 125

Lab Sample ID: 180-162028-11 MSD
Client Sample ID: SSHS-IRM5A2-HR-B55
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448290
Prep Batch: 446177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	12000		381	12600	4	mg/Kg	☼	88	75 - 125	5	20
Antimony	ND	F1 ^+	19.0	5.31	F1 ^+	mg/Kg	☼	28	75 - 125	10	20
Arsenic	14		76.1	82.3		mg/Kg	☼	89	75 - 125	3	20
Barium	94		76.1	178		mg/Kg	☼	111	75 - 125	5	20
Beryllium	0.49		38.1	35.6		mg/Kg	☼	92	75 - 125	0	20
Cadmium	0.47		38.1	36.9		mg/Kg	☼	96	75 - 125	0	20
Calcium	5300	F1	1900	5410	F1	mg/Kg	☼	4	75 - 125	2	20
Chromium	15		38.1	48.9		mg/Kg	☼	89	75 - 125	1	20
Cobalt	11		38.1	47.2		mg/Kg	☼	95	75 - 125	1	20
Copper	21	F1	38.1	63.0		mg/Kg	☼	110	75 - 125	11	20
Iron	28000		381	28100	4	mg/Kg	☼	27	75 - 125	5	20
Lead	20	F1	38.1	48.7		mg/Kg	☼	76	75 - 125	3	20
Magnesium	4000		1900	5720		mg/Kg	☼	88	75 - 125	2	20
Manganese	490	F2	38.1	677	4 F2	mg/Kg	☼	478	75 - 125	24	20
Nickel	25		38.1	60.7		mg/Kg	☼	95	75 - 125	0	20
Potassium	1100	F1	1900	2410	F1	mg/Kg	☼	71	75 - 125	1	20
Selenium	ND	^+	76.1	74.0	^+	mg/Kg	☼	97	75 - 125	3	20
Silver	ND		19.0	16.4		mg/Kg	☼	86	75 - 125	1	20
Sodium	78	J	1900	1870		mg/Kg	☼	94	75 - 125	0	20
Thallium	0.36	J	76.1	74.9		mg/Kg	☼	98	75 - 125	2	20
Vanadium	17		38.1	52.7		mg/Kg	☼	93	75 - 125	1	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-162028-11 MSD — **Client Sample ID: SSHS-IRM5A2-HR-B55**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 448290 — **Prep Batch: 446177**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	63		19.0	79.9		mg/Kg	☼	87	75 - 125	4	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-446073/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 446215 — **Prep Batch: 446073**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		09/11/23 11:30	09/12/23 08:48	1

Lab Sample ID: LCS 180-446073/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 446215 — **Prep Batch: 446073**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.418		mg/Kg		100	80 - 120

Lab Sample ID: 180-162028-11 MS — **Client Sample ID: SSHS-IRM5A2-HR-B55**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 446215 — **Prep Batch: 446073**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	F1	0.164	0.116	F1	mg/Kg	☼	71	80 - 120

Lab Sample ID: 180-162028-11 MSD — **Client Sample ID: SSHS-IRM5A2-HR-B55**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 446215 — **Prep Batch: 446073**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	F1	0.159	0.111	F1	mg/Kg	☼	70	80 - 120	4	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-162028-3 DU — **Client Sample ID: SSHS-IRM5A2-HR-B48**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 446261

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	6.2		5.7		%		9	10
Percent Solids	93.8		94.3		%		0.6	10

Lab Sample ID: 180-162028-13 DU — **Client Sample ID: SSHS-IRM5A2-HR-B57**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 446317

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	3.6		4.1	F3	%		12	10
Percent Solids	96.4		95.9		%		0.5	10

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 446011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 8260C	446019
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	EPA 8260C	446019
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	EPA 8260C	446019
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	EPA 8260C	446019
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	EPA 8260C	446019
MB 180-446011/12	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-446011/8	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-446011/9	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 446019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	5035	
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	5035	
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	5035	
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	5035	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	5035	
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	5035	
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	5035	
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	5035	
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	5035	
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	5035	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	5035	
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	5035	
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	5035	
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	5035	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	5035	
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	5035	

Analysis Batch: 446044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	EPA 8260C	446019
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	EPA 8260C	446019
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	EPA 8260C	446019
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	EPA 8260C	446019
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	EPA 8260C	446019
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8260C	446019
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	EPA 8260C	446019
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	EPA 8260C	446019
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	EPA 8260C	446019
MB 180-446044/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-446044/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8260C	446019
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8260C	446019

GC/MS Semi VOA

Prep Batch: 447043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3541	
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	3541	
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 447043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	3541	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	3541	
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	3541	
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	3541	
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	3541	
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	3541	
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	3541	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3541	
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	3541	
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	3541	
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	3541	
MB 180-447043/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-447043/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3541	
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3541	

Analysis Batch: 447098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 8270D	447043
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	EPA 8270D	447043
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	EPA 8270D	447043
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	EPA 8270D	447043
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	EPA 8270D	447043
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	EPA 8270D	447043
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	EPA 8270D	447043
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	EPA 8270D	447043
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	EPA 8270D	447043
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	EPA 8270D	447043
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8270D	447043
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	EPA 8270D	447043
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	EPA 8270D	447043
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	EPA 8270D	447043
MB 180-447043/1-A	Method Blank	Total/NA	Solid	EPA 8270D	447043
LCS 180-447043/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	447043
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8270D	447043
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8270D	447043

GC Semi VOA

Prep Batch: 446539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	3541	
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	3541	
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	3541	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	3541	
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	3541	
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	3541	
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	3541	
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	3541	
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	3541	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 446539 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	3541	
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	3541	
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	3541	
MB 180-446539/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-446539/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3541	
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3541	

Cleanup Batch: 446585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	3665A	446539
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	3665A	446539
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	3665A	446539
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	3665A	446539
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	3665A	446539
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	3665A	446539
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	3665A	446539
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	3665A	446539
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	3665A	446539
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3665A	446539
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	3665A	446539
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	3665A	446539
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	3665A	446539
MB 180-446539/1-C	Method Blank	Total/NA	Solid	3665A	446539
LCS 180-446539/2-C	Lab Control Sample	Total/NA	Solid	3665A	446539
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3665A	446539
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3665A	446539

Cleanup Batch: 446586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	3660B	446585
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	3660B	446585
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	3660B	446585
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	3660B	446585
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	3660B	446585
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	3660B	446585
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	3660B	446585
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	3660B	446585
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	3660B	446585
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3660B	446585
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	3660B	446585
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	3660B	446585
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	3660B	446585
MB 180-446539/1-C	Method Blank	Total/NA	Solid	3660B	446585
LCS 180-446539/2-C	Lab Control Sample	Total/NA	Solid	3660B	446585
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3660B	446585
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3660B	446585

Analysis Batch: 446612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	EPA 8082A	446586

GC Semi VOA (Continued)

Analysis Batch: 446612 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	EPA 8082A	446586
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	EPA 8082A	446586
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	EPA 8082A	446586
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	EPA 8082A	446586
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	EPA 8082A	446586
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	EPA 8082A	446586
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	EPA 8082A	446586
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	EPA 8082A	446586
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8082A	446586
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	EPA 8082A	446586
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	EPA 8082A	446586
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	EPA 8082A	446586
MB 180-446539/1-C	Method Blank	Total/NA	Solid	EPA 8082A	446586
LCS 180-446539/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	446586
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8082A	446586
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 8082A	446586

Prep Batch: 446666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3541	
MB 180-446666/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-446666/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-162028-1 MS	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3541	
180-162028-1 MSD	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3541	

Cleanup Batch: 446774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3665A	446666
180-162028-1 MS	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3665A	446666
180-162028-1 MSD	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3665A	446666

Cleanup Batch: 446775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3660B	446774
180-162028-1 MS	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3660B	446774
180-162028-1 MSD	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3660B	446774

Analysis Batch: 446953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 8082A	446775
MB 180-446666/1-A	Method Blank	Total/NA	Solid	EPA 8082A	446666
LCS 180-446666/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	446666
180-162028-1 MS	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 8082A	446775
180-162028-1 MSD	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 8082A	446775

Metals

Prep Batch: 446073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	7471B	
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 446073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	7471B	
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	7471B	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	7471B	
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	7471B	
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	7471B	
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	7471B	
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	7471B	
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	7471B	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	7471B	
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	7471B	
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	7471B	
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	7471B	
MB 180-446073/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-446073/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	7471B	
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	7471B	

Prep Batch: 446177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	3050B	
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	3050B	
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	3050B	
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	3050B	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	3050B	
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	3050B	
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	3050B	
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	3050B	
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	3050B	
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	3050B	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3050B	
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	3050B	
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	3050B	
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	3050B	
MB 180-446177/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-446177/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3050B	
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	3050B	

Analysis Batch: 446215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 7471B	446073
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	EPA 7471B	446073
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	EPA 7471B	446073
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	EPA 7471B	446073
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	EPA 7471B	446073
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	EPA 7471B	446073
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	EPA 7471B	446073
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	EPA 7471B	446073
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	EPA 7471B	446073
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	EPA 7471B	446073
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 7471B	446073

Metals (Continued)

Analysis Batch: 446215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	EPA 7471B	446073
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	EPA 7471B	446073
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	EPA 7471B	446073
MB 180-446073/1-A	Method Blank	Total/NA	Solid	EPA 7471B	446073
LCS 180-446073/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	446073
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 7471B	446073
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 7471B	446073

Analysis Batch: 448290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	EPA 6010C	446177
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	EPA 6010C	446177
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	EPA 6010C	446177
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	EPA 6010C	446177
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	EPA 6010C	446177
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	EPA 6010C	446177
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	EPA 6010C	446177
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	EPA 6010C	446177
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	EPA 6010C	446177
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	EPA 6010C	446177
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 6010C	446177
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	EPA 6010C	446177
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	EPA 6010C	446177
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	EPA 6010C	446177
MB 180-446177/1-A	Method Blank	Total/NA	Solid	EPA 6010C	446177
LCS 180-446177/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	446177
180-162028-11 MS	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 6010C	446177
180-162028-11 MSD	SSHS-IRM5A2-HR-B55	Total/NA	Solid	EPA 6010C	446177

General Chemistry

Analysis Batch: 446261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-1	SSHS-IRM5A2-HR-B46	Total/NA	Solid	2540G	
180-162028-2	SSHS-IRM5A2-HR-B47	Total/NA	Solid	2540G	
180-162028-3	SSHS-IRM5A2-HR-B48	Total/NA	Solid	2540G	
180-162028-4	SSHS-IRM5A2-HR-B49	Total/NA	Solid	2540G	
180-162028-5	SSHS-IRM5A2-HR-B50	Total/NA	Solid	2540G	
180-162028-6	SSHS-IRM5A2-HR-B51	Total/NA	Solid	2540G	
180-162028-7	SSHS-IRM5A2-HR-B52	Total/NA	Solid	2540G	
180-162028-8	SSHS-IRM5A2-HR-B53	Total/NA	Solid	2540G	
180-162028-9	SSHS-IRM5A2-HR-B54	Total/NA	Solid	2540G	
180-162028-10	SSHS-IRM5A2-DUP320	Total/NA	Solid	2540G	
180-162028-11	SSHS-IRM5A2-HR-B55	Total/NA	Solid	2540G	
180-162028-12	SSHS-IRM5A2-HR-B56	Total/NA	Solid	2540G	
180-162028-3 DU	SSHS-IRM5A2-HR-B48	Total/NA	Solid	2540G	

Analysis Batch: 446303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-14	SSHS-IRM5A2-HR-B58	Total/NA	Solid	2540G	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162028-1
Project/Site: Former Sperry Remington-Documentation

General Chemistry

Analysis Batch: 446317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162028-13	SSHS-IRM5A2-HR-B57	Total/NA	Solid	2540G	
180-162028-13 DU	SSHS-IRM5A2-HR-B57	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No:
Client Contact: Mr. Aron Krasnopoler	Z Miller	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-HR-B46	9/7/23	1215	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B47	9/7/23	1220	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B48	9/7/23	1225	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B49	9/7/23	1230	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B50	9/7/23	1235	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-HR-B51	9/7/23	1240	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B52	9/7/23	1245	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B53	9/7/23	1250	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B54	9/7/23	1255	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP320	9/7/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-HR-B55	9/7/23	1300	G	S	N	Y	X	X	X	X	X	X	20	
SSHS-IRM5A2-HR-B56	9/7/23	1305	G	S	N	N	X	X	X	X			6	

180-162028 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 9/7/23/1700	Company: Geosyntec	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time: 9/8/23 0900	Company EPHNE
Received by:	Date/Time:	Company
Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-HR-B57	9/7/23	1530	G	S	N	N	X	X	X	X										8	
SSHS-IRM5A2-HR-B58	9/7/23	1535	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
[signature]	9/7/23/1700	Geosyntec	[signature]	9/8/23 0900	UPHNE
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	Z Miller 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-162028 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) PFAS	537.1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-HR-B46	9/7/23	1215	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B47	9/7/23	1220	G	S	N	N	X	X	X	X									6	
~~SSHS-IRM5A2-HR-B48~~	~~9/7/23~~	~~1225~~	~~G~~	~~S~~	~~N~~	~~N~~	~~X~~	~~X~~	~~X~~	~~X~~									~~6~~	
SSHS-IRM5A2-HR-B49	9/7/23	1230	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B50	9/7/23	1235	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-HR-B51	9/7/23	1240	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B52	9/7/23	1245	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B53	9/7/23	1250	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B54	9/7/23	1255	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP320	9/7/23	–	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-HR-B55	9/7/23	1300	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-IRM5A2-HR-B56	9/7/23	1305	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 9/7/23/1704	Company: Geosyntec	Received by:	Date/Time: 9/8/23 1030	Company: EST SNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 3.2

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-HR-B57	9/7/23	1530	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-HR-B58	9/7/23	1535	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 9/7/23/1700	Company: Geosyntec	Received by:	Date/Time: 9/8/23 1030	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.2

Ver: 01/16/2019

eurofins | Environment Testing

Sacramento Sample Receiving Notes

Loc 180
162028

Tracking # 7733 1025 2897

Job _____ _____

SO / (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID 402 Corr Factor (+ /) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal _____

Cooler ID _____

Temp Observed 3.2 °C Corrected 3.2 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials. [illegible] Date 9/8/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials GP Date 9823

Notes _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials GP Date 9823

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162028-1

Login Number: 162028
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/9/2023 3:52:56 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161584-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
10/9/2023 3:52:56 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-161584-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161584-1

Receipt
The samples were received on 8/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.2º C, 2.4º C, 2.4º C, 2.4º C, 3.1º C, 3.3º C and 3.6º C.

GC/MS VOA
Method 8260C: The recovery of surrogate 1,2-Dichloroethane-d4 for the following sample was above the control limits: SSHS-IRM5A2-A8PH3-B21 (180-161584-20). As the surrogate was high and there were no target analytes detected in the sample, the results were reported.

Method 8260C: The laboratory control sample (LCS) for batch 180-445222 recovered below the control limits for the following analytes: 1,2-Dichloroethene, Total and 1,1,2-Trichloro-1,2,2-trifluoroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analytes recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analytes had they been present. Since the affected target analytes were not detected in the associated samples, the results were reported.

Method 8260C: The matrix spike (MS) of sample SSHS-IRM5A2-A8PH3-S38 (180-161584-9) had the recovery of Dichlorodifluoromethane slightly above the control limits. The RPD between the spikes and the recoveries of the matrix spike duplicate (MSD) and laboratory control sample (LCS) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-445222 was below criteria for the following analytes: 2-Hexanone, 4-Methyl-2-pentanone, 1,1,2-Trichloro-1,2,2-trifluoroethane, and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-445222 was above criteria for the following analytes: Dichlorodifluoromethane and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A8PH3-S38 (180-161584-9) had the recoveries of Benzaldehyde and/or 2,4-Dimethylphenol below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Sample SSHS-IRM5A2-A8PH3-S42 (180-161584-13) had the recovery of surrogate decachlorobiphenyl below the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446155 (CCV 180-446155/4) was above criteria for aroclor 1248 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446155 (CCVIS 180-446155/26) was above criteria for aroclor 1260 for 2 peaks on column RTX-CLP1. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP2 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446298 (CCVIS 180-446298/5) was above criteria for

Job ID: 180-161584-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

aroclor 1260 for 3 peaks on column RTX-CLP1. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP2 which met criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The method blank for preparation batch 180-445187 contained zinc above the reporting limit (RL). As the associated samples contained zinc at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A8PH3-S38 (180-161584-9) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

Method 7471B: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A8PH3-S38 (180-161584-9) had the recoveries of mercury above the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Solid	08/29/23 13:00	08/30/23 09:55
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Solid	08/29/23 13:05	08/30/23 09:55
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Solid	08/29/23 13:10	08/30/23 09:55
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Solid	08/29/23 13:15	08/30/23 09:55
180-161584-5	SSHS-IRM5A2-DUP313A	Solid	08/29/23 00:00	08/30/23 09:55
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Solid	08/29/23 13:20	08/30/23 09:55
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Solid	08/29/23 13:25	08/30/23 09:55
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Solid	08/29/23 13:30	08/30/23 09:55
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Solid	08/29/23 13:35	08/30/23 09:55
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Solid	08/29/23 13:40	08/30/23 09:55
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Solid	08/29/23 13:45	08/30/23 09:55
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Solid	08/29/23 13:50	08/30/23 09:55
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Solid	08/29/23 13:55	08/30/23 09:55
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Solid	08/29/23 14:00	08/30/23 09:55
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Solid	08/29/23 14:05	08/30/23 09:55
180-161584-16	SSHS-IRM5A2-DUP314	Solid	08/29/23 00:00	08/30/23 09:55
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Solid	08/29/23 14:10	08/30/23 09:55
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Solid	08/29/23 14:15	08/30/23 09:55
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Solid	08/29/23 14:20	08/30/23 09:55
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Solid	08/29/23 14:25	08/30/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1
Date Collected: 08/29/23 13:00
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1
Date Collected: 08/29/23 13:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6259 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 12:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 10:24	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 15:55	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.86 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:02	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7745 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 12:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 10:46	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 16:13	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.53 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:13	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.53 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3
Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3
Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6029 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 12:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 11:08	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 16:31	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.60 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:18	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:12	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3
Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:09	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4
Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4
Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3645 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 13:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 11:30	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 16:49	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.74 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:23	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.74 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:10	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2279 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 14:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 11:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 17:07	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.60 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:28	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:27	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:11	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4426 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 19:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 12:13	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 17:25	JMO	EET PIT
	Instrument ID: CHGC8									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.57 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:33	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.57 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:12	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S36
Lab Sample ID: 180-161584-7
Date Collected: 08/29/23 13:25
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S36
Lab Sample ID: 180-161584-7
Date Collected: 08/29/23 13:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3372 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 15:06	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 12:35	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 17:43	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.54 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.54 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:13	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S37
Lab Sample ID: 180-161584-8
Date Collected: 08/29/23 13:30
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S37
Lab Sample ID: 180-161584-8
Date Collected: 08/29/23 13:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3026 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 15:28	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 12:57	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.5 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 18:01	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.72 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 13:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.72 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:14	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9
Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9
Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0203 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 11:47	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9
Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 09:20	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 15:01	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.53 g	50 mL	448341	10/05/23 09:53	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448513	10/05/23 15:25	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:19	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10
Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10
Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5598 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 15:50	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 13:18	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 18:19	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.74 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:23	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.74 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 17:58	AAS	EET PIT
	Instrument ID: Q									

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10
Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.69 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:22	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6234 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 16:12	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 13:40	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 18:37	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.66 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:28	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.66 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:03	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:23	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12
Date Collected: 08/29/23 13:50
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12
Date Collected: 08/29/23 13:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3307 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 16:34	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 14:02	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 18:55	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.69 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:33	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.69 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:08	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:24	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13
Date Collected: 08/29/23 13:55
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13
Date Collected: 08/29/23 13:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0325 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 16:56	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 14:24	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 19:13	JMO	EET PIT
	Instrument ID: CHGC8									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13
Date Collected: 08/29/23 13:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.64 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.64 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:13	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:25	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14
Date Collected: 08/29/23 14:00
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14
Date Collected: 08/29/23 14:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1189 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 17:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 14:45	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 19:31	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.67 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:18	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15
Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15
Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2607 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 17:41	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 15:07	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 19:49	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.58 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:48	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.58 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:23	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:27	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3373 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 18:03	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 15:29	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 20:42	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.87 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 14:53	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.87 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:28	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:28	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17
Date Collected: 08/29/23 14:10
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17
Date Collected: 08/29/23 14:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6276 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 18:25	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 15:51	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 21:00	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.54 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448054	09/29/23 15:08	AAS	EET PIT
	Instrument ID: Q									

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17
Date Collected: 08/29/23 14:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.54 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:33	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.71 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:32	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18
Date Collected: 08/29/23 14:15
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18
Date Collected: 08/29/23 14:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4462 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 18:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 16:12	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 21:18	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.80 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:33	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19
Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19
Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5726 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 19:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 16:34	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 21:36	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.69 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:34	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20
Date Collected: 08/29/23 14:25
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445419	09/02/23 13:31	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20
Date Collected: 08/29/23 14:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3186 g	5 mL	445247	08/31/23 08:00	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445222	08/31/23 19:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	446056	09/11/23 07:51	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	446166	09/12/23 16:55	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.1 g	20.0 mL	446119	09/11/23 13:30	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446148	09/12/23 04:51	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446149	09/12/23 04:52	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	446155	09/12/23 21:54	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.80 g	50 mL	445187	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 18:59	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20

Date Collected: 08/29/23 14:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	100 mL	445211	08/31/23 11:25	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:35	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- DVC = Daniel Capodanno
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- SJM = Shannon Mueller
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- CMC = Candace California
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1

Date Collected: 08/29/23 13:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Benzene	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Bromomethane	ND		4.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Carbon disulfide	ND		4.9	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Chlorodibromomethane	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Chloromethane	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2-Dibromoethane	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2-Dichloroethene, Total	ND	*-	9.9	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,4-Dioxane	ND		990	75	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Methylene Chloride	ND		4.9	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Methyl tert-butyl ether	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Styrene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Toluene	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2,3-Trichlorobenzene	ND		9.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,1,1-Trichloroethane	ND		4.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,1,2-Trichloroethane	ND		4.9	0.98	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1

Date Collected: 08/29/23 13:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 89.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Vinyl chloride	ND		4.9	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1
Xylenes, Total	ND		9.9	7.1	ug/Kg	☼	08/31/23 08:00	08/31/23 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*08/31/23 08:00*	*08/31/23 12:09*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*08/31/23 08:00*	*08/31/23 12:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*08/31/23 08:00*	*08/31/23 12:09*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*08/31/23 08:00*	*08/31/23 12:09*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Acenaphthylene	**18**	**J**	73	16	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Acetophenone	ND		730	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Anthracene	**110**		73	19	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Atrazine	ND		730	160	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Benzaldehyde	ND		730	45	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Benzo[a]anthracene	**70**	**J**	73	33	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Benzo[a]pyrene	**64**	**J**	73	32	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Benzo[b]fluoranthene	**70**	**J**	73	18	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Benzo[g,h,i]perylene	**47**	**J**	73	16	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Benzo[k]fluoranthene	**48**	**J**	73	22	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Carbazole	ND		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Chrysene	**170**		73	40	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Dibenzofuran	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1
Date Collected: 08/29/23 13:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 89.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Fluoranthene	**89**		73	19	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Fluorene	ND		73	14	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Hexachloroethane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Indeno[1,2,3-cd]pyrene	**43**	**J**	73	36	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Isophorone	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2-Methylphenol	ND		360	100	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Naphthalene	**32**	**J**	73	14	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Nitrobenzene	ND		730	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Pentachlorophenol	ND		1900	580	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Phenanthrene	**35**	**J**	73	20	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Phenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
Pyrene	**82**		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*09/11/23 07:51*	*09/12/23 10:24*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*09/11/23 07:51*	*09/12/23 10:24*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*09/11/23 07:51*	*09/12/23 10:24*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*09/11/23 07:51*	*09/12/23 10:24*	*1*
Terphenyl-d14 (Surr)	*64*		*39 - 105*	*09/11/23 07:51*	*09/12/23 10:24*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*09/11/23 07:51*	*09/12/23 10:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1221	ND		18	6.4	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1232	ND		18	4.4	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1242	ND		18	2.6	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1248	**170**		18	4.3	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1254	**140**		18	5.4	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1260	**54**		18	5.1	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S31
Lab Sample ID: 180-161584-1
Date Collected: 08/29/23 13:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 89.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.4	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/11/23 13:30	09/12/23 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*09/11/23 13:30*	*09/12/23 15:55*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*09/11/23 13:30*	*09/12/23 15:55*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*09/11/23 13:30*	*09/12/23 15:55*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*09/11/23 13:30*	*09/12/23 15:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**	**B**	13	3.2	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Antimony	ND		0.65	0.20	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Arsenic	**8.1**		0.65	0.41	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Barium	**89**		13	2.3	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Beryllium	**0.42**		0.26	0.071	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Cadmium	**0.40**		0.32	0.048	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Calcium	**12000**		320	42	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Chromium	**14**		0.32	0.29	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Cobalt	**8.7**		3.2	0.46	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Copper	**34**		1.6	0.98	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Iron	**23000**		6.5	6.3	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Lead	**84**		0.65	0.56	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Magnesium	**4100**		320	36	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Manganese	**520**		0.97	0.18	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Nickel	**26**		2.6	0.33	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Potassium	**760**		320	55	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Selenium	ND		0.65	0.30	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Silver	ND		0.32	0.067	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Sodium	**100**	**J**	320	33	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Thallium	ND		1.3	0.18	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Vanadium	**16**		3.2	0.51	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1
Zinc	**73**	**B**	1.3	0.94	mg/Kg	☼	08/31/23 08:00	10/04/23 17:02	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.037	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.2**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**89.8**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Benzene	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2-Dichloroethene, Total	ND	*-	9.8	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Styrene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Toluene	ND		4.9	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	4.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Vinyl chloride	ND		4.9	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1
Xylenes, Total	ND		9.8	7.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*08/31/23 08:00*	*08/31/23 12:31*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*08/31/23 08:00*	*08/31/23 12:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*08/31/23 08:00*	*08/31/23 12:31*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*08/31/23 08:00*	*08/31/23 12:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Acenaphthylene	ND		74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Acetophenone	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Anthracene	ND		74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Atrazine	ND		740	160	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Benzaldehyde	ND		740	45	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Benzo[a]anthracene	**37**	**J**	74	33	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Benzo[b]fluoranthene	**44**	**J**	74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Carbazole	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Chrysene	**65**	**J**	74	41	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Dibenzofuran	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2
Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		740	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Fluoranthene	**47**	**J**	74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Fluorene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Hexachloroethane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Indeno[1,2,3-cd]pyrene	ND		74	36	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Isophorone	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2-Methylphenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Naphthalene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Nitrobenzene	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Phenanthrene	**34**	**J**	74	20	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Phenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
Pyrene	**41**	**J**	74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*09/11/23 07:51*	*09/12/23 10:46*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*09/11/23 07:51*	*09/12/23 10:46*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*09/11/23 07:51*	*09/12/23 10:46*	*1*
Phenol-d5 (Surr)	*67*		*46 - 105*	*09/11/23 07:51*	*09/12/23 10:46*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*09/11/23 07:51*	*09/12/23 10:46*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*09/11/23 07:51*	*09/12/23 10:46*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1221	ND		18	6.5	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1232	ND		18	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1242	ND		18	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1248	ND		18	4.4	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1254	**7.9**	**J**	18	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1260	ND		18	5.2	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1262	ND		18	6.4	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1
PCB-1268	ND		18	2.5	ug/Kg	☼	09/11/23 13:30	09/12/23 16:13	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S32
Lab Sample ID: 180-161584-2

Date Collected: 08/29/23 13:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*63 - 138*	*09/11/23 13:30*	*09/12/23 16:13*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*09/11/23 13:30*	*09/12/23 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*09/11/23 13:30*	*09/12/23 16:13*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*09/11/23 13:30*	*09/12/23 16:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		21	5.3	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Antimony	ND		1.1	0.32	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Arsenic	**6.4**		1.1	0.67	mg/Kg	☼	08/31/23 08:00	10/04/23 17:07	1
Barium	**79**		21	3.8	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Beryllium	**0.44**		0.43	0.12	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Cadmium	**0.33**	**J**	0.53	0.078	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Calcium	**7500**		530	69	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Chromium	**13**		0.53	0.48	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Cobalt	**6.6**		5.3	0.75	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Copper	**41**		2.7	1.6	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Iron	**22000**		11	10	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Lead	**40**		1.1	0.93	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Magnesium	**3900**		530	58	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Manganese	**450**		1.6	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Nickel	**17**		4.3	0.54	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Potassium	**690**		530	91	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Selenium	ND		1.1	0.49	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Silver	ND		0.53	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 17:07	1
Sodium	**57**	**J**	530	54	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Thallium	ND		2.1	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Vanadium	**17**		5.3	0.84	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1
Zinc	**110**		2.1	1.5	mg/Kg	☼	08/31/23 08:00	09/29/23 13:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.034**		0.034	0.022	mg/Kg	☼	08/31/23 11:25	09/01/23 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.3**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**88.7**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3

Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Benzene	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Carbon disulfide	ND		5.4	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3
Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,3-Dichlorobenzene	ND		5.4	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2-Dichloroethene, Total	ND	*-	11	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Styrene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Toluene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	08/31/23 08:00	08/31/23 12:54	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3

Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*08/31/23 08:00*	*08/31/23 12:54*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*08/31/23 08:00*	*08/31/23 12:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*08/31/23 08:00*	*08/31/23 12:54*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*08/31/23 08:00*	*08/31/23 12:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Acenaphthylene	ND		80	17	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Acetophenone	ND		800	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Anthracene	ND		80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Atrazine	ND		800	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Benzaldehyde	ND		800	49	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Benzo[a]anthracene	**39**	**J**	80	36	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Benzo[a]pyrene	**54**	**J**	80	35	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Benzo[b]fluoranthene	**71**	**J**	80	20	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Benzo[g,h,i]perylene	**44**	**J**	80	17	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Benzo[k]fluoranthene	**27**	**J**	80	24	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Caprolactam	ND		2000	260	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Carbazole	ND		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Chrysene	**62**	**J**	80	44	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Dibenzofuran	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Fluoranthene	**52**	**J**	80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Fluorene	ND		80	16	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3

Date Collected: 08/29/23 13:10
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 82.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Hexachloroethane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Isophorone	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Naphthalene	ND		80	16	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Nitrobenzene	ND		800	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Phenanthrene	**25**	**J**	80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Phenol	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
Pyrene	**51**	**J**	80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*09/11/23 07:51*	*09/12/23 11:08*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*09/11/23 07:51*	*09/12/23 11:08*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*09/11/23 07:51*	*09/12/23 11:08*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*09/11/23 07:51*	*09/12/23 11:08*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*09/11/23 07:51*	*09/12/23 11:08*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*34 - 108*	*09/11/23 07:51*	*09/12/23 11:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1221	ND		20	7.0	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1232	ND		20	4.8	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1242	ND		20	2.9	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1248	ND		20	4.8	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1254	ND		20	5.9	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1260	ND		20	5.6	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1262	ND		20	7.0	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*09/11/23 13:30*	*09/12/23 16:31*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*09/11/23 13:30*	*09/12/23 16:31*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*09/11/23 13:30*	*09/12/23 16:31*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S33
Lab Sample ID: 180-161584-3
Date Collected: 08/29/23 13:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*09/11/23 13:30*	*09/12/23 16:31*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		20	5.1	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Antimony	ND		1.0	0.31	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Arsenic	**7.3**		1.0	0.64	mg/Kg	☼	08/31/23 08:00	10/04/23 17:12	1
Barium	**85**		20	3.6	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Beryllium	**0.43**		0.41	0.11	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Cadmium	**0.41**	**J**	0.51	0.075	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Calcium	**8500**		510	66	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Chromium	**14**		0.51	0.46	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Cobalt	**6.6**		5.1	0.72	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Copper	**39**		2.5	1.5	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Iron	**20000**		10	9.9	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Lead	**73**		1.0	0.89	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Magnesium	**2800**		510	56	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Manganese	**430**		1.5	0.28	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Nickel	**17**		4.1	0.51	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Potassium	**630**		510	86	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Selenium	ND		1.0	0.47	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Silver	ND		0.51	0.11	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Sodium	**78**	**J**	510	52	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Thallium	ND		2.0	0.29	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Vanadium	**18**		5.1	0.80	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1
Zinc	**270**		2.0	1.5	mg/Kg	☼	08/31/23 08:00	09/29/23 13:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.079**		0.037	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.0**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**82.0**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4
Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.3**	**J**	28	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Benzene	ND		5.6	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4
Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Chloroform	ND		5.6	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2-Dichloroethene, Total	ND	*-	11	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,4-Dioxane	ND		1100	85	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Methyl tert-butyl ether	ND		5.6	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Styrene	ND		5.6	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Toluene	ND		5.6	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.6	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Vinyl chloride	ND		5.6	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	08/31/23 08:00	08/31/23 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*08/31/23 08:00*	*08/31/23 13:16*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*08/31/23 08:00*	*08/31/23 13:16*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4
Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*	*08/31/23 08:00*	*08/31/23 13:16*	*1*
Toluene-d8 (Surr)	*110*		*67 - 134*	*08/31/23 08:00*	*08/31/23 13:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Acenaphthylene	**63**	**J**	78	17	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Acetophenone	ND		780	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Anthracene	**55**	**J**	78	20	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Atrazine	ND		780	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Benzaldehyde	ND		780	48	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Benzo[a]anthracene	**370**		78	35	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Benzo[a]pyrene	**340**		78	34	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Benzo[b]fluoranthene	**350**		78	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Benzo[g,h,i]perylene	**220**		78	17	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Benzo[k]fluoranthene	**180**		78	23	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Caprolactam	ND		2000	250	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Carbazole	**21**	**J**	78	18	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Chrysene	**490**		78	43	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Dibenz(a,h)anthracene	**88**		78	50	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Dibenzofuran	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Fluoranthene	**460**		78	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Fluorene	ND		78	15	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4
Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Indeno[1,2,3-cd]pyrene	**190**		78	39	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Isophorone	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Naphthalene	ND		78	15	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Nitrobenzene	ND		780	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Phenanthrene	**110**		78	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Phenol	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
Pyrene	**560**		78	18	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*09/11/23 07:51*	*09/12/23 11:30*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*09/11/23 07:51*	*09/12/23 11:30*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*09/11/23 07:51*	*09/12/23 11:30*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*09/11/23 07:51*	*09/12/23 11:30*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*09/11/23 07:51*	*09/12/23 11:30*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*34 - 108*	*09/11/23 07:51*	*09/12/23 11:30*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1221	ND		20	7.1	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1232	ND		20	4.9	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1242	ND		20	3.0	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1248	ND		20	4.8	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1254	**19**	**J**	20	6.0	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1260	**8.1**	**J**	20	5.7	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1262	ND		20	7.1	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*09/11/23 13:30*	*09/12/23 16:49*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/11/23 13:30*	*09/12/23 16:49*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*09/11/23 13:30*	*09/12/23 16:49*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*09/11/23 13:30*	*09/12/23 16:49*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S34
Lab Sample ID: 180-161584-4

Date Collected: 08/29/23 13:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9000		16	4.1	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Antimony	0.71	J	0.82	0.25	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Arsenic	9.7		0.82	0.51	mg/Kg	☼	08/31/23 08:00	10/04/23 17:17	1
Barium	100		16	2.9	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Beryllium	0.49		0.33	0.089	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Cadmium	0.63		0.41	0.060	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Calcium	12000		410	53	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Chromium	15		0.41	0.37	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Cobalt	6.9		4.1	0.58	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Copper	56		2.0	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Iron	20000		8.2	8.0	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Lead	100		0.82	0.71	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Magnesium	3200		410	45	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Manganese	540		1.2	0.23	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Nickel	21		3.3	0.41	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Potassium	830		410	70	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Selenium	0.64	J	0.82	0.38	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Silver	ND		0.41	0.085	mg/Kg	☼	08/31/23 08:00	10/04/23 17:17	1
Sodium	55	J	410	42	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Thallium	ND		1.6	0.23	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Vanadium	21		4.1	0.65	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1
Zinc	300		1.6	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 13:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.037	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.3		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	82.7		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5

Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.7	J	28	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Benzene	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.7	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Dichlorobromomethane	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2-Dichloroethene, Total	ND	*-	11	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Styrene	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Toluene	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	08/31/23 08:00	08/31/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*		*60 - 124*	*08/31/23 08:00*	*08/31/23 14:22*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*08/31/23 08:00*	*08/31/23 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*08/31/23 08:00*	*08/31/23 14:22*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*08/31/23 08:00*	*08/31/23 14:22*	*1*

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5

Date Collected: 08/29/23 00:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 84.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Acenaphthylene	**17**	**J**	79	17	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Acetophenone	ND		790	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Anthracene	**22**	**J**	79	20	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Atrazine	ND		790	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Benzaldehyde	ND		790	49	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Benzo[a]anthracene	**52**	**J**	79	35	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Benzo[a]pyrene	**50**	**J**	79	34	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Benzo[b]fluoranthene	**86**		79	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Benzo[g,h,i]perylene	**54**	**J**	79	17	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Benzo[k]fluoranthene	**41**	**J**	79	24	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Caprolactam	ND		2000	260	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Carbazole	ND		79	18	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Chrysene	**82**		79	44	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Dibenzofuran	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Fluoranthene	**81**		79	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Fluorene	ND		79	15	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Hexachloroethane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Indeno[1,2,3-cd]pyrene	**46**	**J**	79	39	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Isophorone	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5

Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Naphthalene	ND		79	15	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Nitrobenzene	ND		790	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Phenanthrene	**39**	**J**	79	21	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Phenol	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
Pyrene	**74**	**J**	79	19	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*09/11/23 07:51*	*09/12/23 11:51*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*09/11/23 07:51*	*09/12/23 11:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*09/11/23 07:51*	*09/12/23 11:51*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/11/23 07:51*	*09/12/23 11:51*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*09/11/23 07:51*	*09/12/23 11:51*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*34 - 108*	*09/11/23 07:51*	*09/12/23 11:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1221	ND		19	6.8	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1232	ND		19	4.7	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1248	ND		19	4.6	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1254	**31**		19	5.8	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1260	**11**	**J**	19	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1262	ND		19	6.8	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/11/23 13:30	09/12/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*09/11/23 13:30*	*09/12/23 17:07*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*09/11/23 13:30*	*09/12/23 17:07*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*09/11/23 13:30*	*09/12/23 17:07*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*09/11/23 13:30*	*09/12/23 17:07*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		20	4.9	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Antimony	ND		0.99	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1

Client Sample ID: SSHS-IRM5A2-DUP313A
Lab Sample ID: 180-161584-5

Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.2

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.5		0.99	0.62	mg/Kg	☼	08/31/23 08:00	10/04/23 17:27	1
Barium	86		20	3.5	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Beryllium	0.44		0.40	0.11	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Cadmium	0.58		0.49	0.073	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Calcium	4900		490	64	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Chromium	16		0.49	0.45	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Cobalt	8.2		4.9	0.70	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Copper	48		2.5	1.5	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Iron	23000		9.9	9.6	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Lead	57		0.99	0.86	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Magnesium	3800		490	54	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Manganese	470		1.5	0.28	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Nickel	22		4.0	0.50	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Potassium	700		490	84	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Selenium	0.59	J	0.99	0.46	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Silver	ND		0.49	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 17:27	1
Sodium	ND		490	51	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Thallium	ND		2.0	0.28	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Vanadium	20		4.9	0.78	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1
Zinc	380		2.0	1.4	mg/Kg	☼	08/31/23 08:00	09/29/23 13:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.035	0.022	mg/Kg	☼	08/31/23 11:25	09/01/23 12:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.8		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	84.2		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6

Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Benzene	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Chloroform	ND		5.9	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Dichlorobromomethane	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,1-Dichloroethene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2-Dichloroethene, Total	ND	*-	12	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,4-Dioxane	ND		1200	89	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Isopropylbenzene	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Methyl acetate	ND		29	8.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Styrene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Toluene	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Trichloroethene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*08/31/23 08:00*	*08/31/23 19:54*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*08/31/23 08:00*	*08/31/23 19:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*73 - 135*	*08/31/23 08:00*	*08/31/23 19:54*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*08/31/23 08:00*	*08/31/23 19:54*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**45**	**J**	84	18	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Acetophenone	ND		840	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Anthracene	**39**	**J**	84	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Atrazine	ND		840	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Benzaldehyde	ND		840	52	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Benzo[a]anthracene	**150**		84	38	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Benzo[a]pyrene	**130**		84	36	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Benzo[b]fluoranthene	**200**		84	21	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Benzo[g,h,i]perylene	**85**		84	18	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Benzo[k]fluoranthene	**76**	**J**	84	25	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
1,1'-Biphenyl	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Bis(2-chloroethoxy)methane	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Bis(2-ethylhexyl) phthalate	ND		4200	450	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4-Bromophenyl phenyl ether	ND		420	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Butyl benzyl phthalate	ND		420	290	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Caprolactam	ND		2100	270	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Carbazole	ND		84	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4-Chloroaniline	ND		420	110	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4-Chloro-3-methylphenol	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2-Chlorophenol	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4-Chlorophenyl phenyl ether	ND		420	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Chrysene	**210**		84	47	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Dibenz(a,h)anthracene	ND		84	54	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Dibenzofuran	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
3,3'-Dichlorobenzidine	ND		420	390	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Diethyl phthalate	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,4-Dimethylphenol	ND		420	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Dimethyl phthalate	ND		420	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Di-n-butyl phthalate	ND		420	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,4-Dinitrophenol	ND		4200	2600	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,4-Dinitrotoluene	ND		420	250	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,6-Dinitrotoluene	ND		420	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Di-n-octyl phthalate	ND		420	240	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Fluoranthene	**190**		84	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Fluorene	ND		84	16	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Hexachlorobutadiene	ND		84	25	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Hexachlorocyclopentadiene	ND		420	43	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Hexachloroethane	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Indeno[1,2,3-cd]pyrene	**76**	**J**	84	42	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Isophorone	ND		420	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2-Methylnaphthalene	ND		84	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2-Methylphenol	ND		420	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Methylphenol, 3 & 4	ND		420	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S35
Lab Sample ID: 180-161584-6

Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		84	16	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Nitrobenzene	ND		840	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2-Nitrophenol	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
N-Nitrosodiphenylamine	ND		420	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Phenanthrene	**66**	**J**	84	23	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Phenol	ND		420	130	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
Pyrene	**190**		84	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
1,2,4,5-Tetrachlorobenzene	ND		420	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,3,4,6-Tetrachlorophenol	ND		420	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,4,5-Trichlorophenol	ND		420	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1
2,4,6-Trichlorophenol	ND		420	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*09/11/23 07:51*	*09/12/23 12:13*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*09/11/23 07:51*	*09/12/23 12:13*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*09/11/23 07:51*	*09/12/23 12:13*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/11/23 07:51*	*09/12/23 12:13*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*09/11/23 07:51*	*09/12/23 12:13*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*34 - 108*	*09/11/23 07:51*	*09/12/23 12:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1221	ND		21	7.4	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1232	ND		21	5.1	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1242	ND		21	3.1	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1248	ND		21	5.0	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1254	**19**	**J**	21	6.3	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1260	ND		21	5.9	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1262	ND		21	7.3	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1
PCB-1268	ND		21	2.8	ug/Kg	☼	09/11/23 13:30	09/12/23 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*63 - 138*	*09/11/23 13:30*	*09/12/23 17:25*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*09/11/23 13:30*	*09/12/23 17:25*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*09/11/23 13:30*	*09/12/23 17:25*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*09/11/23 13:30*	*09/12/23 17:25*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	5.6	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Antimony	**0.37**	**J**	1.1	0.34	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Arsenic	**9.7**		1.1	0.70	mg/Kg	☼	08/31/23 08:00	10/04/23 17:32	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S35

Lab Sample ID: 180-161584-6
Date Collected: 08/29/23 13:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	100		22	4.0	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Beryllium	0.55		0.45	0.12	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Cadmium	0.82		0.56	0.082	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Calcium	9800		560	72	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Chromium	18		0.56	0.51	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Cobalt	8.0		5.6	0.79	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Copper	52		2.8	1.7	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Iron	23000		11	11	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Lead	87		1.1	0.97	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Magnesium	3900		560	61	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Manganese	590		1.7	0.31	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Nickel	23		4.5	0.56	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Potassium	880		560	95	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Selenium	0.87	J	1.1	0.52	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Silver	ND		0.56	0.12	mg/Kg	☼	08/31/23 08:00	10/04/23 17:32	1
Sodium	ND		560	57	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Thallium	ND		2.2	0.32	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Vanadium	22		5.6	0.88	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1
Zinc	510		2.2	1.6	mg/Kg	☼	08/31/23 08:00	09/29/23 13:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.037	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	21.6		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	78.4		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S36

Lab Sample ID: 180-161584-7
Date Collected: 08/29/23 13:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Benzene	ND		6.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Chloroform	ND		6.0	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
cis-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S36
Lab Sample ID: 180-161584-7
Date Collected: 08/29/23 13:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2-Dichloroethene, Total	ND	*-	12	4.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,4-Dioxane	ND		1200	91	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Styrene	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Toluene	ND		6.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,2,4-Trichlorobenzene	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*08/31/23 08:00*	*08/31/23 15:06*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*08/31/23 08:00*	*08/31/23 15:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*08/31/23 08:00*	*08/31/23 15:06*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*08/31/23 08:00*	*08/31/23 15:06*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**49**	**J**	84	24	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Acenaphthylene	**84**		84	18	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S36
Lab Sample ID: 180-161584-7
Date Collected: 08/29/23 13:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		840	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Anthracene	**180**		84	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Atrazine	ND		840	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Benzaldehyde	ND		840	52	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Benzo[a]anthracene	**420**		84	38	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Benzo[a]pyrene	**390**		84	36	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Benzo[b]fluoranthene	**530**		84	21	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Benzo[g,h,i]perylene	**300**		84	18	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Benzo[k]fluoranthene	**240**		84	25	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Bis(2-ethylhexyl) phthalate	ND		4100	450	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Butyl benzyl phthalate	ND		410	290	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Caprolactam	ND		2100	270	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Carbazole	**84**		84	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Chrysene	**490**		84	46	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Dibenz(a,h)anthracene	**89**		84	54	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Dibenzofuran	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Dimethyl phthalate	ND		410	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Fluoranthene	**720**		84	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Fluorene	**44**	**J**	84	16	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Hexachlorobutadiene	ND		84	24	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Hexachlorocyclopentadiene	ND		410	43	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Hexachloroethane	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Indeno[1,2,3-cd]pyrene	**260**		84	42	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Isophorone	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2-Methylnaphthalene	**30**	**J**	84	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2-Methylphenol	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Naphthalene	**67**	**J**	84	16	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S36
Lab Sample ID: 180-161584-7

Date Collected: 08/29/23 13:25
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 78.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2100	190	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Nitrobenzene	ND		840	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Phenanthrene	**420**		84	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Phenol	ND		410	130	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
Pyrene	**640**		84	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
1,2,4,5-Tetrachlorobenzene	ND		410	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,4,5-Trichlorophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*09/11/23 07:51*	*09/12/23 12:35*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*09/11/23 07:51*	*09/12/23 12:35*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/11/23 07:51*	*09/12/23 12:35*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*09/11/23 07:51*	*09/12/23 12:35*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*09/11/23 07:51*	*09/12/23 12:35*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*09/11/23 07:51*	*09/12/23 12:35*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.9	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1221	ND		21	7.5	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1232	ND		21	5.2	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1242	ND		21	3.1	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1248	**59**		21	5.1	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1254	**46**		21	6.4	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1260	**17**	**J**	21	6.0	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1262	ND		21	7.5	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1
PCB-1268	ND		21	2.9	ug/Kg	☼	09/11/23 13:30	09/12/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*09/11/23 13:30*	*09/12/23 17:43*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*09/11/23 13:30*	*09/12/23 17:43*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*09/11/23 13:30*	*09/12/23 17:43*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*09/11/23 13:30*	*09/12/23 17:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		24	5.9	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Antimony	**0.60**	**J**	1.2	0.36	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Arsenic	**11**		1.2	0.74	mg/Kg	☼	08/31/23 08:00	10/04/23 17:38	1
Barium	**110**		24	4.2	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S36
Lab Sample ID: 180-161584-7
Date Collected: 08/29/23 13:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.53		0.47	0.13	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Cadmium	0.91		0.59	0.087	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Calcium	7700		590	77	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Chromium	24		0.59	0.54	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Cobalt	8.0		5.9	0.84	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Copper	60		3.0	1.8	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Iron	23000		12	12	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Lead	82		1.2	1.0	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Magnesium	3300		590	65	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Manganese	580		1.8	0.33	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Nickel	23		4.7	0.60	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Potassium	890		590	100	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Selenium	1.1	J	1.2	0.55	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Silver	ND		0.59	0.12	mg/Kg	☼	08/31/23 08:00	10/04/23 17:38	1
Sodium	ND		590	61	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Thallium	ND		2.4	0.34	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Vanadium	25		5.9	0.94	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1
Zinc	380		2.4	1.7	mg/Kg	☼	08/31/23 08:00	09/29/23 13:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.29		0.038	0.025	mg/Kg	☼	08/31/23 11:25	09/01/23 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	22.0		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	78.0		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S37
Lab Sample ID: 180-161584-8
Date Collected: 08/29/23 13:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 79.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Benzene	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Chloroform	ND		5.9	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S37
Lab Sample ID: 180-161584-8
Date Collected: 08/29/23 13:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 79.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2-Dichloroethene, Total	ND	*-	12	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,4-Dioxane	ND		1200	90	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Styrene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Toluene	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Vinyl chloride	ND		5.9	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*08/31/23 08:00*	*08/31/23 15:28*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*08/31/23 08:00*	*08/31/23 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*08/31/23 08:00*	*08/31/23 15:28*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*08/31/23 08:00*	*08/31/23 15:28*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**27**	**J**	83	24	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Acenaphthylene	**44**	**J**	83	18	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Acetophenone	ND		830	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S37
Lab Sample ID: 180-161584-8
Date Collected: 08/29/23 13:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 79.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**160**		83	21	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Atrazine	ND		830	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Benzaldehyde	ND		830	51	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Benzo[a]anthracene	**560**		83	37	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Benzo[a]pyrene	**430**		83	36	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Benzo[b]fluoranthene	**590**		83	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Benzo[g,h,i]perylene	**310**		83	18	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Benzo[k]fluoranthene	**250**		83	25	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Caprolactam	ND		2100	270	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Carbazole	**65**	**J**	83	19	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Chrysene	**640**		83	46	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Dibenz(a,h)anthracene	**70**	**J**	83	53	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Dibenzofuran	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Fluoranthene	**1300**		83	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Fluorene	**38**	**J**	83	16	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Hexachloroethane	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Indeno[1,2,3-cd]pyrene	**250**		83	41	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Isophorone	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2-Methylphenol	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Naphthalene	**45**	**J**	83	16	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S37
Lab Sample ID: 180-161584-8

Date Collected: 08/29/23 13:30
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 79.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2100	100	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Nitrobenzene	ND		830	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Phenanthrene	**420**		83	22	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Phenol	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
Pyrene	**1000**		83	20	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*09/11/23 07:51*	*09/12/23 12:57*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*09/11/23 07:51*	*09/12/23 12:57*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*09/11/23 07:51*	*09/12/23 12:57*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*09/11/23 07:51*	*09/12/23 12:57*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*09/11/23 07:51*	*09/12/23 12:57*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*34 - 108*	*09/11/23 07:51*	*09/12/23 12:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1221	ND		20	7.2	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1232	ND		20	4.9	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1242	ND		20	3.0	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1248	ND		20	4.8	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1254	**35**		20	6.1	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1260	**15**	**J**	20	5.7	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1262	ND		20	7.1	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:01*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:01*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:01*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8800**		17	4.3	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Antimony	**0.56**	**J**	0.87	0.26	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Arsenic	**8.6**		0.87	0.55	mg/Kg	☼	08/31/23 08:00	10/04/23 17:43	1
Barium	**100**		17	3.1	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Beryllium	**0.45**		0.35	0.095	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S37

Lab Sample ID: 180-161584-8
Date Collected: 08/29/23 13:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 79.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.74		0.43	0.064	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Calcium	16000		430	56	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Chromium	16		0.43	0.40	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Cobalt	6.5		4.3	0.61	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Copper	43		2.2	1.3	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Iron	23000		8.7	8.5	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Lead	100		0.87	0.76	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Magnesium	3800		430	48	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Manganese	530		1.3	0.24	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Nickel	19		3.5	0.44	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Potassium	810		430	74	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Selenium	0.88		0.87	0.40	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Silver	ND		0.43	0.090	mg/Kg	☼	08/31/23 08:00	10/04/23 17:43	1
Sodium	77	J	430	45	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Thallium	ND		1.7	0.25	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Vanadium	19		4.3	0.69	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1
Zinc	390		1.7	1.3	mg/Kg	☼	08/31/23 08:00	09/29/23 13:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.036	0.023	mg/Kg	☼	08/31/23 11:25	09/01/23 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	20.2		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	79.8		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S38

Lab Sample ID: 180-161584-9
Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 76.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		33	5.1	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Benzene	ND		6.5	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Bromoform	ND		6.5	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Bromomethane	ND		6.5	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
2-Butanone (MEK)	ND		33	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Carbon disulfide	ND		6.5	5.2	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Carbon tetrachloride	ND		6.5	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Chlorobenzene	ND		6.5	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Chlorobromomethane	ND		6.5	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Chlorodibromomethane	ND		6.5	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Chloroethane	ND		6.5	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Chloroform	ND		6.5	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Chloromethane	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
cis-1,2-Dichloroethene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
cis-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Cyclohexane	ND		6.5	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2-Dibromo-3-Chloropropane	ND		6.5	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9

Date Collected: 08/29/23 13:35
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 76.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		6.5	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2-Dichlorobenzene	ND		6.5	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,3-Dichlorobenzene	ND		6.5	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,4-Dichlorobenzene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Dichlorobromomethane	ND		6.5	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Dichlorodifluoromethane	ND	F1	6.5	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,1-Dichloroethane	ND		6.5	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2-Dichloroethane	ND		6.5	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,1-Dichloroethene	ND		6.5	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2-Dichloroethene, Total	ND	*-	13	5.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2-Dichloropropane	ND		6.5	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,4-Dioxane	ND		1300	99	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Ethylbenzene	ND		6.5	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
2-Hexanone	ND		33	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Isopropylbenzene	ND		6.5	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Methyl acetate	ND		33	9.6	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Methylcyclohexane	ND		6.5	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Methylene Chloride	ND		6.5	5.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		33	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Methyl tert-butyl ether	ND		6.5	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
m-Xylene & p-Xylene	ND		6.5	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
o-Xylene	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Styrene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,1,2,2-Tetrachloroethane	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Tetrachloroethene	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Toluene	ND		6.5	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
trans-1,2-Dichloroethene	ND		6.5	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
trans-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2,3-Trichlorobenzene	ND		13	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,2,4-Trichlorobenzene	ND		6.5	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,1,1-Trichloroethane	ND		6.5	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,1,2-Trichloroethane	ND		6.5	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Trichloroethene	ND		6.5	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Trichlorofluoromethane	ND		6.5	5.4	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Vinyl chloride	ND		6.5	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1
Xylenes, Total	ND		13	9.4	ug/Kg	☼	08/31/23 08:00	08/31/23 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*60 - 124*	*08/31/23 08:00*	*08/31/23 11:47*	*1*
Dibromofluoromethane (Surr)	*75*		*69 - 126*	*08/31/23 08:00*	*08/31/23 11:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*73 - 135*	*08/31/23 08:00*	*08/31/23 11:47*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*08/31/23 08:00*	*08/31/23 11:47*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		87	25	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Acenaphthylene	**100**		87	19	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Acetophenone	ND		870	150	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Anthracene	**98**		87	22	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9
Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 76.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		870	190	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Benzaldehyde	ND	F1	870	54	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Benzo[a]anthracene	**260**		87	39	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Benzo[a]pyrene	**250**		87	38	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Benzo[b]fluoranthene	**400**		87	21	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Benzo[g,h,i]perylene	**190**		87	19	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Benzo[k]fluoranthene	**150**		87	26	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
1,1'-Biphenyl	ND		430	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Bis(2-chloroethoxy)methane	ND		430	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Bis(2-chloroethyl)ether	ND		87	16	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Bis(2-ethylhexyl) phthalate	ND		4300	460	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
4-Bromophenyl phenyl ether	ND		430	180	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Butyl benzyl phthalate	ND		430	300	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Caprolactam	ND		2200	280	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Carbazole	**54**	**J**	87	20	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
4-Chloroaniline	ND		430	110	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
4-Chloro-3-methylphenol	ND		430	150	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2-Chloronaphthalene	ND		87	20	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2-Chlorophenol	ND		430	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
4-Chlorophenyl phenyl ether	ND		430	140	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Chrysene	**410**		87	48	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Dibenz(a,h)anthracene	**63**	**J**	87	55	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Dibenzofuran	ND		430	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
3,3'-Dichlorobenzidine	ND		430	400	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,4-Dichlorophenol	ND		87	33	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Diethyl phthalate	ND		430	150	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,4-Dimethylphenol	ND	F1	430	150	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Dimethyl phthalate	ND		430	170	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Di-n-butyl phthalate	ND		430	190	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
4,6-Dinitro-2-methylphenol	ND		2200	750	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,4-Dinitrophenol	ND		4300	2700	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,4-Dinitrotoluene	ND		430	260	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,6-Dinitrotoluene	ND		430	170	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Di-n-octyl phthalate	ND		430	250	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
1,4-Dioxane	ND		870	130	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Fluoranthene	**480**		87	23	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Fluorene	**19**	**J**	87	17	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Hexachlorobenzene	ND		87	31	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Hexachlorobutadiene	ND		87	25	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Hexachlorocyclopentadiene	ND		430	44	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Hexachloroethane	ND		430	150	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Indeno[1,2,3-cd]pyrene	**150**		87	43	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Isophorone	ND		430	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2-Methylnaphthalene	**52**	**J**	87	21	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2-Methylphenol	ND		430	120	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Methylphenol, 3 & 4	ND		430	130	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Naphthalene	**67**	**J**	87	17	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2-Nitroaniline	ND		2200	200	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
3-Nitroaniline	ND		2200	110	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9
Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 76.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2200	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Nitrobenzene	ND		870	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2-Nitrophenol	ND		430	160	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
4-Nitrophenol	ND		2200	300	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
N-Nitrosodi-n-propylamine	ND		87	29	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
N-Nitrosodiphenylamine	ND		430	140	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,2'-oxybis[1-chloropropane]	ND		87	32	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Pentachlorophenol	ND		2200	700	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Phenanthrene	**190**		87	23	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Phenol	ND		430	130	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
Pyrene	**410**		87	21	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
1,2,4,5-Tetrachlorobenzene	ND		430	170	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,3,4,6-Tetrachlorophenol	ND		430	180	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,4,5-Trichlorophenol	ND		430	150	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1
2,4,6-Trichlorophenol	ND		430	140	ug/Kg	☼	09/11/23 07:51	09/12/23 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*09/11/23 07:51*	*09/12/23 09:20*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*09/11/23 07:51*	*09/12/23 09:20*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*09/11/23 07:51*	*09/12/23 09:20*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*09/11/23 07:51*	*09/12/23 09:20*	*1*
Terphenyl-d14 (Surr)	*67*		*39 - 105*	*09/11/23 07:51*	*09/12/23 09:20*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*34 - 108*	*09/11/23 07:51*	*09/12/23 09:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		22	7.1	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1221	ND		22	7.7	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1232	ND		22	5.3	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1242	ND		22	3.2	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1248	**170**		22	5.2	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1254	**110**		22	6.5	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1260	**30**		22	6.2	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1262	ND		22	7.7	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1
PCB-1268	ND		22	2.9	ug/Kg	☼	09/11/23 13:30	09/12/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*63 - 138*	*09/11/23 13:30*	*09/12/23 15:01*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*09/11/23 13:30*	*09/12/23 15:01*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*09/11/23 13:30*	*09/12/23 15:01*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*09/11/23 13:30*	*09/12/23 15:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5100**		25	6.2	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Antimony	**1.0**	**J F1**	1.2	0.38	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Arsenic	**36**		1.2	0.78	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Barium	**99**		25	4.4	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Beryllium	**0.65**		0.50	0.14	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Cadmium	**1.3**		0.62	0.091	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Lab Sample ID: 180-161584-9

Date Collected: 08/29/23 13:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 76.0

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	20000		620	80	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Chromium	30		0.62	0.56	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Cobalt	8.4		6.2	0.87	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Copper	150	F1	3.1	1.9	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Iron	45000	F2	12	12	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Lead	60		1.2	1.1	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Magnesium	2400	F1	620	68	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Manganese	390	F2	1.9	0.34	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Nickel	23		5.0	0.63	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Potassium	610	J	620	110	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Selenium	4.8		1.2	0.57	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Silver	ND		0.62	0.13	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Sodium	76	J	620	64	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Thallium	ND	F1	2.5	0.35	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Vanadium	21		6.2	0.98	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1
Zinc	780		2.5	1.8	mg/Kg	☼	10/05/23 09:53	10/05/23 15:25	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34	F1	0.043	0.028	mg/Kg	☼	08/31/23 11:25	09/01/23 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	24.0		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	76.0		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10

Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Benzene	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10
Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2-Dichloroethene, Total	ND	*-	11	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Styrene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Toluene	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.4	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	08/31/23 08:00	08/31/23 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*60 - 124*	*08/31/23 08:00*	*08/31/23 15:50*	*1*
Dibromofluoromethane (Surr)	*80*		*69 - 126*	*08/31/23 08:00*	*08/31/23 15:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*08/31/23 08:00*	*08/31/23 15:50*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*08/31/23 08:00*	*08/31/23 15:50*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Acenaphthylene	ND		80	17	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Acetophenone	ND		800	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Anthracene	ND		80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Atrazine	ND		800	170	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10

Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		800	49	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Benzo[a]anthracene	ND		80	36	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Benzo[a]pyrene	ND		80	35	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Benzo[b]fluoranthene	**43**	**J**	80	20	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Benzo[g,h,i]perylene	**29**	**J**	80	17	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Benzo[k]fluoranthene	ND		80	24	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Caprolactam	ND		2000	260	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Carbazole	ND		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Chrysene	**46**	**J**	80	44	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Dibenzofuran	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Fluoranthene	**52**	**J**	80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Fluorene	ND		80	16	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Hexachloroethane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Indeno[1,2,3-cd]pyrene	ND		80	40	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Isophorone	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Naphthalene	ND		80	16	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10

Date Collected: 08/29/23 13:40
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 83.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		800	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Phenanthrene	**23**	**J**	80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Phenol	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
Pyrene	**48**	**J**	80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*09/11/23 07:51*	*09/12/23 13:18*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*09/11/23 07:51*	*09/12/23 13:18*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/11/23 07:51*	*09/12/23 13:18*	*1*
Phenol-d5 (Surr)	*66*		*46 - 105*	*09/11/23 07:51*	*09/12/23 13:18*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*09/11/23 07:51*	*09/12/23 13:18*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*34 - 108*	*09/11/23 07:51*	*09/12/23 13:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1221	ND		19	6.9	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1232	ND		19	4.7	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1248	**610**		19	4.7	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1254	**320**		19	5.8	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1260	**40**		19	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1262	ND		19	6.8	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/11/23 13:30	09/12/23 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:19*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:19*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:19*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:19*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8700**	**B**	16	4.0	mg/Kg	☼	08/31/23 08:00	10/04/23 17:58	1
Antimony	ND		0.81	0.24	mg/Kg	☼	08/31/23 08:00	10/04/23 17:58	1
Arsenic	**14**		0.81	0.51	mg/Kg	☼	08/31/23 08:00	10/04/23 17:58	1
Barium	**60**		16	2.9	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Beryllium	**0.42**		0.32	0.088	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Cadmium	**0.71**		0.40	0.059	mg/Kg	☼	08/31/23 08:00	10/04/23 17:58	1
Calcium	**20000**		400	52	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S39
Lab Sample ID: 180-161584-10
Date Collected: 08/29/23 13:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16		0.40	0.37	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Cobalt	8.2		4.0	0.57	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Copper	77		2.0	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Iron	28000		8.1	7.9	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Lead	28		0.81	0.70	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Magnesium	6000		400	44	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Manganese	420		1.2	0.22	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Nickel	23		3.2	0.41	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Potassium	600		400	69	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Selenium	0.87		0.81	0.37	mg/Kg	☼	08/31/23 08:00	10/04/23 17:58	1
Silver	ND		0.40	0.084	mg/Kg	☼	08/31/23 08:00	10/04/23 17:58	1
Sodium	62	J	400	41	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Thallium	ND		1.6	0.23	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Vanadium	15		4.0	0.64	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1
Zinc	260		1.6	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.034	0.022	mg/Kg	☼	08/31/23 11:25	09/01/23 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.2		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	83.8		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Benzene	ND		5.0	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2-Dichloroethene, Total	ND	*-	10	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Styrene	ND		5.0	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Toluene	ND		5.0	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*08/31/23 08:00*	*08/31/23 16:12*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*08/31/23 08:00*	*08/31/23 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*73 - 135*	*08/31/23 08:00*	*08/31/23 16:12*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*08/31/23 08:00*	*08/31/23 16:12*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Acenaphthylene	**18**	**J**	75	16	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Acetophenone	ND		750	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Anthracene	ND		75	19	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Atrazine	ND		750	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Benzaldehyde	ND		750	46	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**34**	**J**	75	34	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Benzo[a]pyrene	**41**	**J**	75	32	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Benzo[b]fluoranthene	**58**	**J**	75	18	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Benzo[g,h,i]perylene	**38**	**J**	75	16	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Benzo[k]fluoranthene	**24**	**J**	75	22	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Carbazole	ND		75	17	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Chrysene	**51**	**J**	75	41	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Dibenzofuran	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Fluoranthene	**58**	**J**	75	20	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Fluorene	ND		75	15	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Hexachloroethane	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Isophorone	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2-Methylphenol	ND		370	110	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Naphthalene	ND		75	15	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Nitrobenzene	ND		750	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11

Date Collected: 08/29/23 13:45
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Phenanthrene	**22**	**J**	75	20	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Phenol	ND		370	110	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
Pyrene	**51**	**J**	75	18	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*09/11/23 07:51*	*09/12/23 13:40*	*1*
2-Fluorophenol (Surr)	*63*		*48 - 105*	*09/11/23 07:51*	*09/12/23 13:40*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*09/11/23 07:51*	*09/12/23 13:40*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/11/23 07:51*	*09/12/23 13:40*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*09/11/23 07:51*	*09/12/23 13:40*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*	*09/11/23 07:51*	*09/12/23 13:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1221	ND		18	6.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1232	ND		18	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1242	ND		18	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1248	**71**		18	4.4	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1254	**89**		18	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1260	**300**		18	5.2	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1262	ND		18	6.4	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1
PCB-1268	ND		18	2.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:37*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:37*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:37*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:37*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**	**B**	17	4.3	mg/Kg	☼	08/31/23 08:00	10/04/23 18:03	1
Antimony	**0.27**	**J**	0.85	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 18:03	1
Arsenic	**8.9**		0.85	0.54	mg/Kg	☼	08/31/23 08:00	10/04/23 18:03	1
Barium	**75**		17	3.0	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Beryllium	**0.37**		0.34	0.093	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Cadmium	**0.54**		0.43	0.063	mg/Kg	☼	08/31/23 08:00	10/04/23 18:03	1
Calcium	**12000**		430	55	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Chromium	**12**		0.43	0.39	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	7.3		4.3	0.60	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Copper	50		2.1	1.3	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Iron	22000		8.5	8.3	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Lead	30		0.85	0.74	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Magnesium	5500		430	47	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Manganese	420		1.3	0.24	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Nickel	19		3.4	0.43	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Potassium	590		430	73	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Selenium	ND		0.85	0.39	mg/Kg	☼	08/31/23 08:00	10/04/23 18:03	1
Silver	ND		0.43	0.089	mg/Kg	☼	08/31/23 08:00	10/04/23 18:03	1
Sodium	ND		430	44	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Thallium	ND		1.7	0.24	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Vanadium	15		4.3	0.68	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1
Zinc	140		1.7	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084		0.035	0.023	mg/Kg	☼	08/31/23 11:25	09/01/23 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.3		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	88.7		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12
Date Collected: 08/29/23 13:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Benzene	ND		5.3	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12
Date Collected: 08/29/23 13:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2-Dichloroethene, Total	ND	*-	11	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Styrene	ND		5.3	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Toluene	ND		5.3	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.3	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*08/31/23 08:00*	*08/31/23 16:34*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*08/31/23 08:00*	*08/31/23 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*08/31/23 08:00*	*08/31/23 16:34*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*08/31/23 08:00*	*08/31/23 16:34*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Acenaphthylene	ND		74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Acetophenone	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Anthracene	ND		74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Atrazine	ND		740	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Benzaldehyde	ND		740	46	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Benzo[a]anthracene	**39**	**J**	74	33	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12
Date Collected: 08/29/23 13:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**41**	**J**	74	32	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Benzo[b]fluoranthene	**56**	**J**	74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Benzo[g,h,i]perylene	**44**	**J**	74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Carbazole	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Chrysene	**62**	**J**	74	41	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Dibenzofuran	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Fluoranthene	**60**	**J**	74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Fluorene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Hexachloroethane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Isophorone	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2-Methylphenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Naphthalene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Nitrobenzene	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12

Date Collected: 08/29/23 13:50
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 88.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Phenanthrene	**43**	**J**	74	20	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Phenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
Pyrene	**57**	**J**	74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*09/11/23 07:51*	*09/12/23 14:02*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*09/11/23 07:51*	*09/12/23 14:02*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*09/11/23 07:51*	*09/12/23 14:02*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/11/23 07:51*	*09/12/23 14:02*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*09/11/23 07:51*	*09/12/23 14:02*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*09/11/23 07:51*	*09/12/23 14:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1221	ND		19	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1232	ND		19	4.6	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1242	ND		19	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1248	ND		19	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1254	**18**	**J**	19	5.6	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1260	ND		19	5.3	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1262	ND		19	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/11/23 13:30	09/12/23 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:55*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*09/11/23 13:30*	*09/12/23 18:55*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:55*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*09/11/23 13:30*	*09/12/23 18:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7400**	**B**	16	4.1	mg/Kg	☼	08/31/23 08:00	10/04/23 18:08	1
Antimony	ND		0.82	0.25	mg/Kg	☼	08/31/23 08:00	10/04/23 18:08	1
Arsenic	**8.0**		0.82	0.51	mg/Kg	☼	08/31/23 08:00	10/04/23 18:08	1
Barium	**70**		16	2.9	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Beryllium	**0.41**		0.33	0.089	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Cadmium	**0.35**	**J**	0.41	0.060	mg/Kg	☼	08/31/23 08:00	10/04/23 18:08	1
Calcium	**18000**		410	53	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Chromium	**9.4**		0.41	0.37	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Cobalt	**6.4**		4.1	0.58	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S41
Lab Sample ID: 180-161584-12

Date Collected: 08/29/23 13:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	29		2.0	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Iron	18000		8.2	8.0	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Lead	21		0.82	0.71	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Magnesium	6200		410	45	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Manganese	370		1.2	0.23	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Nickel	17		3.3	0.41	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Potassium	530		410	70	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Selenium	ND		0.82	0.38	mg/Kg	☼	08/31/23 08:00	10/04/23 18:08	1
Silver	ND		0.41	0.085	mg/Kg	☼	08/31/23 08:00	10/04/23 18:08	1
Sodium	48	J	410	42	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Thallium	0.25	J	1.6	0.23	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Vanadium	13		4.1	0.65	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1
Zinc	110		1.6	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032	J	0.033	0.021	mg/Kg	☼	08/31/23 11:25	09/01/23 12:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.6		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	88.4		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13

Date Collected: 08/29/23 13:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.6	J	35	5.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Benzene	ND		7.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Bromoform	ND		7.0	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Bromomethane	ND		7.0	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
2-Butanone (MEK)	ND		35	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Carbon disulfide	ND		7.0	5.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Carbon tetrachloride	ND		7.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Chlorobenzene	ND		7.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Chlorobromomethane	ND		7.0	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Chlorodibromomethane	ND		7.0	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Chloroethane	ND		7.0	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Chloroform	ND		7.0	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Chloromethane	ND		7.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
cis-1,2-Dichloroethene	ND		7.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
cis-1,3-Dichloropropene	ND		7.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Cyclohexane	ND		7.0	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2-Dibromo-3-Chloropropane	ND		7.0	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2-Dibromoethane	ND		7.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2-Dichlorobenzene	ND		7.0	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,3-Dichlorobenzene	ND		7.0	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,4-Dichlorobenzene	ND		7.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13

Date Collected: 08/29/23 13:55
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 71.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		7.0	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Dichlorodifluoromethane	ND		7.0	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,1-Dichloroethane	ND		7.0	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2-Dichloroethane	ND		7.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,1-Dichloroethene	ND		7.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2-Dichloroethene, Total	ND	*-	14	5.7	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2-Dichloropropane	ND		7.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,4-Dioxane	ND		1400	110	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Ethylbenzene	ND		7.0	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
2-Hexanone	ND		35	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Isopropylbenzene	ND		7.0	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Methyl acetate	ND		35	10	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Methylcyclohexane	ND		7.0	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Methylene Chloride	ND		7.0	6.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
4-Methyl-2-pentanone (MIBK)	ND		35	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Methyl tert-butyl ether	ND		7.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
m-Xylene & p-Xylene	ND		7.0	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
o-Xylene	ND		7.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Styrene	ND		7.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,1,2,2-Tetrachloroethane	ND		7.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Tetrachloroethene	ND		7.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Toluene	ND		7.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
trans-1,2-Dichloroethene	ND		7.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
trans-1,3-Dichloropropene	ND		7.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2,3-Trichlorobenzene	ND		14	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,2,4-Trichlorobenzene	ND		7.0	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,1,1-Trichloroethane	ND		7.0	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,1,2-Trichloroethane	ND		7.0	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Trichloroethene	ND		7.0	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Trichlorofluoromethane	ND		7.0	5.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	7.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Vinyl chloride	ND		7.0	5.0	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1
Xylenes, Total	ND		14	10	ug/Kg	☼	08/31/23 08:00	08/31/23 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*08/31/23 08:00*	*08/31/23 16:56*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*08/31/23 08:00*	*08/31/23 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*	*08/31/23 08:00*	*08/31/23 16:56*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*08/31/23 08:00*	*08/31/23 16:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**	**J**	91	26	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Acenaphthylene	**470**		91	20	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Acetophenone	ND		910	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Anthracene	**430**		91	23	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Atrazine	ND		910	200	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Benzaldehyde	ND		910	56	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Benzo[a]anthracene	**1400**		91	41	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Benzo[a]pyrene	**1100**		91	39	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13

Date Collected: 08/29/23 13:55
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 71.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**1700**		91	22	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Benzo[g,h,i]perylene	**860**		91	20	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Benzo[k]fluoranthene	**680**		91	27	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
1,1'-Biphenyl	ND		450	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Bis(2-chloroethoxy)methane	ND		450	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Bis(2-chloroethyl)ether	ND		91	16	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Bis(2-ethylhexyl) phthalate	ND		4500	480	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4-Bromophenyl phenyl ether	ND		450	190	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Butyl benzyl phthalate	ND		450	310	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Caprolactam	ND		2300	290	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Carbazole	**120**		91	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4-Chloroaniline	ND		450	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4-Chloro-3-methylphenol	ND		450	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2-Chloronaphthalene	ND		91	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2-Chlorophenol	ND		450	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4-Chlorophenyl phenyl ether	ND		450	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Chrysene	**1500**		91	50	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Dibenz(a,h)anthracene	**210**		91	58	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Dibenzofuran	ND		450	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
3,3'-Dichlorobenzidine	ND		450	420	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,4-Dichlorophenol	ND		91	35	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Diethyl phthalate	ND		450	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,4-Dimethylphenol	ND		450	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Dimethyl phthalate	ND		450	180	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Di-n-butyl phthalate	ND		450	200	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4,6-Dinitro-2-methylphenol	ND		2300	780	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,4-Dinitrophenol	ND		4500	2800	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,4-Dinitrotoluene	ND		450	270	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,6-Dinitrotoluene	ND		450	180	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Di-n-octyl phthalate	ND		450	260	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
1,4-Dioxane	ND		910	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Fluoranthene	**3100**		91	24	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Fluorene	**39**	**J**	91	18	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Hexachlorobenzene	ND		91	32	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Hexachlorobutadiene	ND		91	26	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Hexachlorocyclopentadiene	ND		450	46	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Hexachloroethane	ND		450	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Indeno[1,2,3-cd]pyrene	**770**		91	45	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Isophorone	ND		450	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2-Methylnaphthalene	**37**	**J**	91	22	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2-Methylphenol	ND		450	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Methylphenol, 3 & 4	ND		450	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Naphthalene	**39**	**J**	91	18	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2-Nitroaniline	ND		2300	210	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
3-Nitroaniline	ND		2300	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4-Nitroaniline	ND		2300	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Nitrobenzene	ND		910	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2-Nitrophenol	ND		450	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
4-Nitrophenol	ND		2300	320	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13

Date Collected: 08/29/23 13:55
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 71.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		91	31	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
N-Nitrosodiphenylamine	ND		450	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,2'-oxybis[1-chloropropane]	ND		91	34	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Pentachlorophenol	ND		2300	730	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Phenanthrene	**400**		91	24	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Phenol	ND		450	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
Pyrene	**2400**		91	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
1,2,4,5-Tetrachlorobenzene	ND		450	180	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,3,4,6-Tetrachlorophenol	ND		450	190	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,4,5-Trichlorophenol	ND		450	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1
2,4,6-Trichlorophenol	ND		450	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*09/11/23 07:51*	*09/12/23 14:24*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*09/11/23 07:51*	*09/12/23 14:24*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*09/11/23 07:51*	*09/12/23 14:24*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*09/11/23 07:51*	*09/12/23 14:24*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*09/11/23 07:51*	*09/12/23 14:24*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*34 - 108*	*09/11/23 07:51*	*09/12/23 14:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	7.4	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1221	ND		23	8.1	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1232	ND		23	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1242	ND		23	3.3	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1248	**180**		23	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1254	**130**		23	6.8	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1260	**31**		23	6.5	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1262	ND		23	8.0	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1
PCB-1268	ND		23	3.1	ug/Kg	☼	09/11/23 13:30	09/12/23 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*57*	*S1-*	*63 - 138*	*09/11/23 13:30*	*09/12/23 19:13*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*63 - 138*	*09/11/23 13:30*	*09/12/23 19:13*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*09/11/23 13:30*	*09/12/23 19:13*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*09/11/23 13:30*	*09/12/23 19:13*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**	**B**	22	5.5	mg/Kg	☼	08/31/23 08:00	10/04/23 18:13	1
Antimony	ND		1.1	0.33	mg/Kg	☼	08/31/23 08:00	10/04/23 18:13	1
Arsenic	**13**		1.1	0.69	mg/Kg	☼	08/31/23 08:00	10/04/23 18:13	1
Barium	**150**		22	3.9	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Beryllium	**0.71**		0.44	0.12	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Cadmium	**0.91**		0.55	0.080	mg/Kg	☼	08/31/23 08:00	10/04/23 18:13	1
Calcium	**6500**		550	71	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Chromium	**23**		0.55	0.50	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Cobalt	**10**		5.5	0.77	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Copper	**63**		2.7	1.7	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S42
Lab Sample ID: 180-161584-13
Date Collected: 08/29/23 13:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	27000		11	11	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Lead	150		1.1	0.95	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Magnesium	4000		550	60	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Manganese	630		1.6	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Nickel	30		4.4	0.55	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Potassium	1100		550	93	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Selenium	1.3		1.1	0.50	mg/Kg	☼	08/31/23 08:00	10/04/23 18:13	1
Silver	ND		0.55	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 18:13	1
Sodium	66	J	550	56	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Thallium	ND		2.2	0.31	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Vanadium	20		5.5	0.87	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1
Zinc	380		2.2	1.6	mg/Kg	☼	08/31/23 08:00	09/29/23 14:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42		0.041	0.026	mg/Kg	☼	08/31/23 11:25	09/01/23 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	28.6		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	71.4		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14
Date Collected: 08/29/23 14:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Benzene	ND		6.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Chloroform	ND		6.0	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
cis-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14
Date Collected: 08/29/23 14:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2-Dichloroethene, Total	ND	*-	12	4.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,4-Dioxane	ND		1200	91	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Styrene	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Toluene	ND		6.0	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,2,4-Trichlorobenzene	ND		6.0	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	6.0	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*		*60 - 124*	*08/31/23 08:00*	*08/31/23 17:18*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*08/31/23 08:00*	*08/31/23 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*08/31/23 08:00*	*08/31/23 17:18*	*1*
Toluene-d8 (Surr)	*69*		*67 - 134*	*08/31/23 08:00*	*08/31/23 17:18*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Acenaphthylene	**150**		81	18	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Acetophenone	ND		810	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Anthracene	**130**		81	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Atrazine	ND		810	180	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Benzaldehyde	ND		810	50	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Benzo[a]anthracene	**450**		81	37	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Benzo[a]pyrene	**370**		81	35	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Benzo[b]fluoranthene	**520**		81	20	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14
Date Collected: 08/29/23 14:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**270**		81	17	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Benzo[k]fluoranthene	**250**		81	24	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Caprolactam	ND		2100	260	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Carbazole	**19**	**J**	81	19	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2-Chloronaphthalene	ND		81	19	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Chrysene	**450**		81	45	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Dibenz(a,h)anthracene	**77**	**J**	81	52	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Dibenzofuran	ND		400	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4,6-Dinitro-2-methylphenol	ND		2100	700	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Fluoranthene	**1000**		81	21	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Fluorene	ND		81	16	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Hexachlorobutadiene	ND		81	24	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Hexachloroethane	ND		400	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Indeno[1,2,3-cd]pyrene	**240**		81	40	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Isophorone	ND		400	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2-Methylnaphthalene	ND		81	19	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2-Methylphenol	ND		400	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Naphthalene	ND		81	16	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Nitrobenzene	ND		810	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
4-Nitrophenol	ND		2100	280	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14

Date Collected: 08/29/23 14:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 81.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Pentachlorophenol	ND		2100	650	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Phenanthrene	**120**		81	22	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Phenol	ND		400	120	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
Pyrene	**860**		81	19	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	09/11/23 07:51	09/12/23 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*09/11/23 07:51*	*09/12/23 14:45*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*09/11/23 07:51*	*09/12/23 14:45*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*09/11/23 07:51*	*09/12/23 14:45*	*1*
Phenol-d5 (Surr)	*75*		*46 - 105*	*09/11/23 07:51*	*09/12/23 14:45*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*09/11/23 07:51*	*09/12/23 14:45*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*34 - 108*	*09/11/23 07:51*	*09/12/23 14:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1221	ND		20	7.2	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1232	ND		20	5.0	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1242	ND		20	3.0	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1248	**100**		20	4.9	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1254	**65**		20	6.1	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1260	**14**	**J**	20	5.8	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1262	ND		20	7.2	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*63 - 138*	*09/11/23 13:30*	*09/12/23 19:31*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*09/11/23 13:30*	*09/12/23 19:31*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*55 - 135*	*09/11/23 13:30*	*09/12/23 19:31*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*09/11/23 13:30*	*09/12/23 19:31*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**	**B**	18	4.6	mg/Kg	☼	08/31/23 08:00	10/04/23 18:18	1
Antimony	**0.32**	**J**	0.92	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 18:18	1
Arsenic	**12**		0.92	0.58	mg/Kg	☼	08/31/23 08:00	10/04/23 18:18	1
Barium	**110**		18	3.3	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Beryllium	**0.47**		0.37	0.10	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Cadmium	**0.66**		0.46	0.067	mg/Kg	☼	08/31/23 08:00	10/04/23 18:18	1
Calcium	**22000**		460	59	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Chromium	**16**		0.46	0.42	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Cobalt	**9.3**		4.6	0.65	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Copper	**54**		2.3	1.4	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Iron	**25000**		9.2	8.9	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S43
Lab Sample ID: 180-161584-14
Date Collected: 08/29/23 14:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.3

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**100**		0.92	0.80	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Magnesium	**6100**		460	50	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Manganese	**650**		1.4	0.26	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Nickel	**27**		3.7	0.46	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Potassium	**830**		460	78	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Selenium	ND		0.92	0.42	mg/Kg	☼	08/31/23 08:00	10/04/23 18:18	1
Silver	ND		0.46	0.095	mg/Kg	☼	08/31/23 08:00	10/04/23 18:18	1
Sodium	**76**	**J**	460	47	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Thallium	ND		1.8	0.26	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Vanadium	**16**		4.6	0.73	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1
Zinc	**220**		1.8	1.3	mg/Kg	☼	08/31/23 08:00	09/29/23 14:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.037	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.7**		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	**81.3**		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15
Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Benzene	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Chloroform	ND		5.9	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Dichlorobromomethane	ND		5.9	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15
Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,1-Dichloroethene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2-Dichloroethene, Total	ND	*-	12	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,4-Dioxane	ND		1200	89	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Isopropylbenzene	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Methyl acetate	ND		29	8.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Styrene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Toluene	ND		5.9	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Trichloroethene	ND		5.9	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.9	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	08/31/23 08:00	08/31/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*08/31/23 08:00*	*08/31/23 17:41*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*08/31/23 08:00*	*08/31/23 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*	*08/31/23 08:00*	*08/31/23 17:41*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*08/31/23 08:00*	*08/31/23 17:41*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Acenaphthylene	**19**	**J**	80	17	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Acetophenone	ND		800	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Anthracene	ND		80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Atrazine	ND		800	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Benzaldehyde	ND		800	49	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Benzo[a]anthracene	**56**	**J**	80	36	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Benzo[a]pyrene	**60**	**J**	80	34	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Benzo[b]fluoranthene	**69**	**J**	80	20	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Benzo[g,h,i]perylene	**54**	**J**	80	17	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15
Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**38**	**J**	80	24	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Caprolactam	ND		2000	260	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Carbazole	ND		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Chrysene	**72**	**J**	80	44	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Dibenzofuran	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Fluoranthene	**100**		80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Fluorene	ND		80	16	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Hexachloroethane	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Indeno[1,2,3-cd]pyrene	**44**	**J**	80	40	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Isophorone	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2-Methylnaphthalene	ND		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Naphthalene	ND		80	16	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Nitrobenzene	ND		800	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15
Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		80	29	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Phenanthrene	**41**	**J**	80	21	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Phenol	ND		390	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
Pyrene	**90**		80	19	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*09/11/23 07:51*	*09/12/23 15:07*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*09/11/23 07:51*	*09/12/23 15:07*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*09/11/23 07:51*	*09/12/23 15:07*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/11/23 07:51*	*09/12/23 15:07*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*09/11/23 07:51*	*09/12/23 15:07*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*	*09/11/23 07:51*	*09/12/23 15:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1221	ND		20	7.2	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1232	ND		20	5.0	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1242	ND		20	3.0	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1248	**310**		20	4.9	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1254	**150**		20	6.1	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1260	**45**		20	5.8	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1262	ND		20	7.2	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*09/11/23 13:30*	*09/12/23 19:49*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*09/11/23 13:30*	*09/12/23 19:49*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*09/11/23 13:30*	*09/12/23 19:49*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*09/11/23 13:30*	*09/12/23 19:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**	**B**	21	5.3	mg/Kg	☼	08/31/23 08:00	10/04/23 18:23	1
Antimony	ND		1.1	0.32	mg/Kg	☼	08/31/23 08:00	10/04/23 18:23	1
Arsenic	**13**		1.1	0.67	mg/Kg	☼	08/31/23 08:00	10/04/23 18:23	1
Barium	**100**		21	3.8	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Beryllium	**0.67**		0.43	0.12	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Cadmium	**1.2**		0.53	0.078	mg/Kg	☼	08/31/23 08:00	10/04/23 18:23	1
Calcium	**5400**		530	69	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Chromium	**17**		0.53	0.48	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Cobalt	**7.9**		5.3	0.75	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Copper	**54**		2.7	1.6	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Iron	**25000**		11	10	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Lead	**150**		1.1	0.93	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S44
Lab Sample ID: 180-161584-15

Date Collected: 08/29/23 14:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 81.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**3100**		530	58	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Manganese	**430**		1.6	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Nickel	**27**		4.3	0.54	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Potassium	**840**		530	90	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Selenium	**0.77**	**J**	1.1	0.49	mg/Kg	☼	08/31/23 08:00	10/04/23 18:23	1
Silver	ND		0.53	0.11	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Sodium	**85**	**J**	530	54	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Thallium	ND		2.1	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Vanadium	**19**		5.3	0.84	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1
Zinc	**400**		2.1	1.5	mg/Kg	☼	08/31/23 08:00	09/29/23 14:48	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**		0.036	0.023	mg/Kg	☼	08/31/23 11:25	09/01/23 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.9**		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	**81.1**		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16

Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		33	5.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Benzene	ND		6.5	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Bromoform	ND		6.5	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Bromomethane	ND		6.5	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
2-Butanone (MEK)	ND		33	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Carbon disulfide	ND		6.5	5.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Carbon tetrachloride	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Chlorobenzene	ND		6.5	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Chlorobromomethane	ND		6.5	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Chlorodibromomethane	ND		6.5	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Chloroethane	ND		6.5	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Chloroform	ND		6.5	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Chloromethane	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
cis-1,2-Dichloroethene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
cis-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Cyclohexane	ND		6.5	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2-Dibromo-3-Chloropropane	ND		6.5	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2-Dibromoethane	ND		6.5	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2-Dichlorobenzene	ND		6.5	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,3-Dichlorobenzene	ND		6.5	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,4-Dichlorobenzene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Dichlorobromomethane	ND		6.5	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Dichlorodifluoromethane	ND		6.5	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,1-Dichloroethane	ND		6.5	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16

Date Collected: 08/29/23 00:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 71.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		6.5	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,1-Dichloroethene	ND		6.5	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2-Dichloroethene, Total	ND	*-	13	5.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2-Dichloropropane	ND		6.5	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,4-Dioxane	ND		1300	99	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Ethylbenzene	ND		6.5	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
2-Hexanone	ND		33	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Isopropylbenzene	ND		6.5	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Methyl acetate	ND		33	9.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Methylcyclohexane	ND		6.5	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Methylene Chloride	ND		6.5	5.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		33	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Methyl tert-butyl ether	ND		6.5	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
m-Xylene & p-Xylene	ND		6.5	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
o-Xylene	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Styrene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,1,2,2-Tetrachloroethane	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Tetrachloroethene	ND		6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Toluene	ND		6.5	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
trans-1,2-Dichloroethene	ND		6.5	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
trans-1,3-Dichloropropene	ND		6.5	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2,3-Trichlorobenzene	ND		13	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,2,4-Trichlorobenzene	ND		6.5	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,1,1-Trichloroethane	ND		6.5	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,1,2-Trichloroethane	ND		6.5	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Trichloroethene	ND		6.5	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Trichlorofluoromethane	ND		6.5	5.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	6.5	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Vinyl chloride	ND		6.5	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1
Xylenes, Total	ND		13	9.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*08/31/23 08:00*	*08/31/23 18:03*	*1*
Dibromofluoromethane (Surr)	*88*		*69 - 126*	*08/31/23 08:00*	*08/31/23 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*08/31/23 08:00*	*08/31/23 18:03*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*08/31/23 08:00*	*08/31/23 18:03*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		93	27	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Acenaphthylene	**23**	**J**	93	20	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Acetophenone	ND		930	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Anthracene	ND		93	24	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Atrazine	ND		930	200	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Benzaldehyde	ND		930	58	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Benzo[a]anthracene	**73**	**J**	93	42	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Benzo[a]pyrene	**93**		93	40	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Benzo[b]fluoranthene	**110**		93	23	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Benzo[g,h,i]perylene	**79**	**J**	93	20	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Benzo[k]fluoranthene	**45**	**J**	93	28	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		460	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Bis(2-chloroethoxy)methane	ND		460	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Bis(2-chloroethyl)ether	ND		93	17	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Bis(2-ethylhexyl) phthalate	ND		4600	490	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4-Bromophenyl phenyl ether	ND		460	200	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Butyl benzyl phthalate	ND		460	320	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Caprolactam	ND		2400	300	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Carbazole	ND		93	22	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4-Chloroaniline	ND		460	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4-Chloro-3-methylphenol	ND		460	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2-Chloronaphthalene	ND		93	21	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2-Chlorophenol	ND		460	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4-Chlorophenyl phenyl ether	ND		460	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Chrysene	**87**	**J**	93	52	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Dibenz(a,h)anthracene	ND		93	59	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Dibenzofuran	ND		460	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
3,3'-Dichlorobenzidine	ND		460	430	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,4-Dichlorophenol	ND		93	36	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Diethyl phthalate	ND		460	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,4-Dimethylphenol	ND		460	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Dimethyl phthalate	ND		460	180	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Di-n-butyl phthalate	ND		460	200	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4,6-Dinitro-2-methylphenol	ND		2400	800	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,4-Dinitrophenol	ND		4600	2900	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,4-Dinitrotoluene	ND		460	280	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,6-Dinitrotoluene	ND		460	180	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Di-n-octyl phthalate	ND		460	270	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
1,4-Dioxane	ND		930	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Fluoranthene	**110**		93	25	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Fluorene	ND		93	18	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Hexachlorobenzene	ND		93	33	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Hexachlorobutadiene	ND		93	27	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Hexachlorocyclopentadiene	ND		460	48	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Hexachloroethane	ND		460	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Indeno[1,2,3-cd]pyrene	**61**	**J**	93	46	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Isophorone	ND		460	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2-Methylnaphthalene	ND		93	22	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2-Methylphenol	ND		460	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Methylphenol, 3 & 4	ND		460	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Naphthalene	ND		93	18	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2-Nitroaniline	ND		2400	210	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
3-Nitroaniline	ND		2400	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4-Nitroaniline	ND		2400	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Nitrobenzene	ND		930	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2-Nitrophenol	ND		460	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
4-Nitrophenol	ND		2400	330	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
N-Nitrosodi-n-propylamine	ND		93	31	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
N-Nitrosodiphenylamine	ND		460	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,2'-oxybis[1-chloropropane]	ND		93	34	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16

Date Collected: 08/29/23 00:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 71.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		2400	750	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Phenanthrene	**51**	**J**	93	25	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Phenol	ND		460	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
Pyrene	**110**		93	22	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
1,2,4,5-Tetrachlorobenzene	ND		460	180	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,3,4,6-Tetrachlorophenol	ND		460	190	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,4,5-Trichlorophenol	ND		460	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1
2,4,6-Trichlorophenol	ND		460	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*09/11/23 07:51*	*09/12/23 15:29*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*09/11/23 07:51*	*09/12/23 15:29*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*09/11/23 07:51*	*09/12/23 15:29*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/11/23 07:51*	*09/12/23 15:29*	*1*
Terphenyl-d14 (Surr)	*70*		*39 - 105*	*09/11/23 07:51*	*09/12/23 15:29*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*	*09/11/23 07:51*	*09/12/23 15:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	7.5	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1221	ND		23	8.1	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1232	ND		23	5.6	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1242	ND		23	3.4	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1248	**200**		23	5.5	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1254	**170**		23	6.9	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1260	**27**		23	6.5	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1262	ND		23	8.1	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1
PCB-1268	ND		23	3.1	ug/Kg	☼	09/11/23 13:30	09/12/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*63 - 138*	*09/11/23 13:30*	*09/12/23 20:42*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*63 - 138*	*09/11/23 13:30*	*09/12/23 20:42*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*09/11/23 13:30*	*09/12/23 20:42*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*09/11/23 13:30*	*09/12/23 20:42*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**	**B**	16	4.0	mg/Kg	☼	08/31/23 08:00	10/04/23 18:28	1
Antimony	ND		0.80	0.24	mg/Kg	☼	08/31/23 08:00	10/04/23 18:28	1
Arsenic	**11**		0.80	0.50	mg/Kg	☼	08/31/23 08:00	10/04/23 18:28	1
Barium	**92**		16	2.9	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Beryllium	**0.58**		0.32	0.087	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Cadmium	**1.0**		0.40	0.059	mg/Kg	☼	08/31/23 08:00	10/04/23 18:28	1
Calcium	**5100**		400	52	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Chromium	**15**		0.40	0.36	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Cobalt	**8.0**		4.0	0.56	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Copper	**50**		2.0	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Iron	**24000**		8.0	7.8	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Lead	**100**		0.80	0.70	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Magnesium	**3400**		400	44	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1

Client Sample ID: SSHS-IRM5A2-DUP314
Lab Sample ID: 180-161584-16
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	470		1.2	0.22	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Nickel	24		3.2	0.40	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Potassium	740		400	68	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Selenium	0.61	J	0.80	0.37	mg/Kg	☼	08/31/23 08:00	10/04/23 18:28	1
Silver	ND		0.40	0.083	mg/Kg	☼	08/31/23 08:00	10/04/23 18:28	1
Sodium	70	J	400	41	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Thallium	ND		1.6	0.23	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Vanadium	18		4.0	0.63	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1
Zinc	360		1.6	1.2	mg/Kg	☼	08/31/23 08:00	09/29/23 14:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.044	0.028	mg/Kg	☼	08/31/23 11:25	09/01/23 12:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	28.2		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	71.8		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17
Date Collected: 08/29/23 14:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Benzene	ND		5.1	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17

Date Collected: 08/29/23 14:10
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 87.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2-Dichloroethene, Total	ND	*-	10	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Styrene	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Toluene	ND		5.1	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.1	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*08/31/23 08:00*	*08/31/23 18:25*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*08/31/23 08:00*	*08/31/23 18:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*08/31/23 08:00*	*08/31/23 18:25*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*08/31/23 08:00*	*08/31/23 18:25*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Acenaphthylene	ND		74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Acetophenone	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Anthracene	ND		74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Atrazine	ND		740	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Benzaldehyde	ND		740	46	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Benzo[a]anthracene	**33**	**J**	74	33	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Benzo[b]fluoranthene	**39**	**J**	74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Benzo[g,h,i]perylene	**26**	**J**	74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17
Date Collected: 08/29/23 14:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Carbazole	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Chrysene	ND		74	41	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Dibenzofuran	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Fluoranthene	**41**	**J**	74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Fluorene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Hexachloroethane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Isophorone	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2-Methylphenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Naphthalene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Nitrobenzene	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17

Date Collected: 08/29/23 14:10
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 87.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		74	20	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Phenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
Pyrene	**40**	**J**	74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*09/11/23 07:51*	*09/12/23 15:51*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*09/11/23 07:51*	*09/12/23 15:51*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*09/11/23 07:51*	*09/12/23 15:51*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*09/11/23 07:51*	*09/12/23 15:51*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*09/11/23 07:51*	*09/12/23 15:51*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*	*09/11/23 07:51*	*09/12/23 15:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1221	ND		19	6.7	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1232	ND		19	4.6	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1248	**44**		19	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1254	**26**		19	5.7	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1260	**10**	**J**	19	5.4	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1262	ND		19	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:00*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:00*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:00*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:00*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**	**B**	21	5.3	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Antimony	ND		1.1	0.32	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Arsenic	**8.8**		1.1	0.66	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Barium	**85**		21	3.8	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Beryllium	**0.48**		0.42	0.12	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Cadmium	**0.33**	**J**	0.53	0.077	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Calcium	**16000**		530	68	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Chromium	**13**		0.53	0.48	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Cobalt	**9.8**		5.3	0.74	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Copper	**23**		2.6	1.6	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Iron	**26000**		11	10	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Lead	**18**		1.1	0.92	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Magnesium	**5700**		530	58	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Manganese	**530**		1.6	0.29	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B18
Lab Sample ID: 180-161584-17
Date Collected: 08/29/23 14:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**23**		4.2	0.53	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Potassium	**950**		530	90	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Selenium	ND		1.1	0.49	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Silver	ND		0.53	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 18:33	1
Sodium	**60**	**J**	530	54	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Thallium	ND		2.1	0.30	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Vanadium	**16**		5.3	0.84	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1
Zinc	**84**		2.1	1.5	mg/Kg	☼	08/31/23 08:00	09/29/23 15:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**	**J**	0.032	0.020	mg/Kg	☼	08/31/23 11:25	09/01/23 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.3**		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	**87.7**		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18
Date Collected: 08/29/23 14:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Benzene	ND		5.2	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Chloromethane	ND		5.2	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18

Date Collected: 08/29/23 14:15
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND	*-	10	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Styrene	ND		5.2	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Toluene	ND		5.2	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.2	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	08/31/23 08:00	08/31/23 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*08/31/23 08:00*	*08/31/23 18:47*	*1*
Dibromofluoromethane (Surr)	*110*		*69 - 126*	*08/31/23 08:00*	*08/31/23 18:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*08/31/23 08:00*	*08/31/23 18:47*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*08/31/23 08:00*	*08/31/23 18:47*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Acenaphthylene	**89**		73	16	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Acetophenone	ND		730	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Anthracene	**51**	**J**	73	19	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Atrazine	ND		730	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Benzaldehyde	ND		730	45	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Benzo[a]anthracene	**140**		73	33	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Benzo[a]pyrene	**180**		73	32	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Benzo[b]fluoranthene	**270**		73	18	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Benzo[g,h,i]perylene	**160**		73	16	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Benzo[k]fluoranthene	**100**		73	22	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18
Date Collected: 08/29/23 14:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Carbazole	ND		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Chrysene	**170**		73	40	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Dibenzofuran	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Fluoranthene	**150**		73	19	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Fluorene	ND		73	14	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Hexachloroethane	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Indeno[1,2,3-cd]pyrene	**160**		73	36	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Isophorone	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2-Methylnaphthalene	**17**	**J**	73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2-Methylphenol	ND		360	100	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Naphthalene	**23**	**J**	73	14	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Nitrobenzene	ND		730	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Pentachlorophenol	ND		1900	580	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Phenanthrene	**39**	**J**	73	20	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18
Date Collected: 08/29/23 14:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		360	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
Pyrene	**170**		73	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*09/11/23 07:51*	*09/12/23 16:12*	*1*
2-Fluorophenol (Surr)	*62*		*48 - 105*	*09/11/23 07:51*	*09/12/23 16:12*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*09/11/23 07:51*	*09/12/23 16:12*	*1*
Phenol-d5 (Surr)	*69*		*46 - 105*	*09/11/23 07:51*	*09/12/23 16:12*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*09/11/23 07:51*	*09/12/23 16:12*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*34 - 108*	*09/11/23 07:51*	*09/12/23 16:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1221	ND		19	6.6	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1232	ND		19	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1242	ND		19	2.7	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1248	ND		19	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1254	**28**		19	5.6	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1260	ND		19	5.3	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1262	ND		19	6.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:18*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:18*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:18*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**	**B**	14	3.5	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Antimony	ND		0.70	0.21	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Arsenic	**8.4**		0.70	0.44	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Barium	**72**		14	2.5	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Beryllium	**0.44**		0.28	0.077	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Cadmium	**0.38**		0.35	0.052	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Calcium	**21000**		350	46	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Chromium	**12**		0.35	0.32	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Cobalt	**9.1**		3.5	0.50	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Copper	**23**		1.8	1.1	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Iron	**24000**		7.0	6.9	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Lead	**14**		0.70	0.61	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Magnesium	**4800**		350	39	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Manganese	**430**		1.1	0.20	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Nickel	**21**		2.8	0.36	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B19
Lab Sample ID: 180-161584-18

Date Collected: 08/29/23 14:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**780**		350	60	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Selenium	ND		0.70	0.32	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Silver	ND		0.35	0.073	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Sodium	**52**	**J**	350	36	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Thallium	ND		1.4	0.20	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Vanadium	**15**		3.5	0.56	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1
Zinc	**74**	**B**	1.4	1.0	mg/Kg	☼	08/31/23 08:00	10/04/23 18:38	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	08/31/23 11:25	09/01/23 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.3**		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	**88.7**		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19

Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Benzene	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2-Dichloroethene, Total	ND	*-	11	4.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19
Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Styrene	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Toluene	ND		5.7	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.7	2.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*08/31/23 08:00*	*08/31/23 19:09*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*	*08/31/23 08:00*	*08/31/23 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*73 - 135*	*08/31/23 08:00*	*08/31/23 19:09*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*08/31/23 08:00*	*08/31/23 19:09*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Acenaphthylene	ND		83	18	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Acetophenone	ND		830	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Anthracene	ND		83	22	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Atrazine	ND		830	180	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Benzaldehyde	ND		830	52	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Benzo[a]pyrene	**41**	**J**	83	36	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Benzo[b]fluoranthene	**70**	**J**	83	20	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Benzo[g,h,i]perylene	**39**	**J**	83	18	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19
Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Butyl benzyl phthalate	ND		410	290	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Caprolactam	ND		2100	270	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Carbazole	ND		83	19	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Chrysene	**53**	**J**	83	46	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Dibenzofuran	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Fluoranthene	**57**	**J**	83	22	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Fluorene	ND		83	16	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Hexachloroethane	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Isophorone	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2-Methylphenol	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Naphthalene	ND		83	16	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Nitrobenzene	ND		830	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Phenanthrene	ND		83	22	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
Phenol	ND		410	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19

Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**52**	**J**	83	20	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*09/11/23 07:51*	*09/12/23 16:34*	*1*
2-Fluorophenol (Surr)	*65*		*48 - 105*	*09/11/23 07:51*	*09/12/23 16:34*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*09/11/23 07:51*	*09/12/23 16:34*	*1*
Phenol-d5 (Surr)	*70*		*46 - 105*	*09/11/23 07:51*	*09/12/23 16:34*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*09/11/23 07:51*	*09/12/23 16:34*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*09/11/23 07:51*	*09/12/23 16:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1221	ND		21	7.4	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1232	ND		21	5.1	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1242	ND		21	3.1	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1248	ND		21	5.0	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1254	**16**	**J**	21	6.3	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1260	ND		21	5.9	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1262	ND		21	7.3	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1
PCB-1268	ND		21	2.8	ug/Kg	☼	09/11/23 13:30	09/12/23 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:36*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:36*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:36*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**	**B**	18	4.6	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Antimony	ND		0.92	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Arsenic	**6.1**		0.92	0.58	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Barium	**99**		18	3.3	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Beryllium	**0.43**		0.37	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Cadmium	**0.54**		0.46	0.068	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Calcium	**16000**		460	59	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Chromium	**13**		0.46	0.42	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Cobalt	**7.3**		4.6	0.65	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Copper	**31**		2.3	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Iron	**19000**		9.2	9.0	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Lead	**30**		0.92	0.80	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Magnesium	**5400**		460	51	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Manganese	**540**		1.4	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Nickel	**17**		3.7	0.46	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Potassium	**900**		460	78	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Lab Sample ID: 180-161584-19

Date Collected: 08/29/23 14:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	**0.61**	**J**	0.92	0.42	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Silver	ND		0.46	0.096	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Sodium	**64**	**J**	460	47	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Thallium	ND		1.8	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Vanadium	**15**		4.6	0.73	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1
Zinc	**290**	**B**	1.8	1.3	mg/Kg	☼	08/31/23 08:00	10/04/23 18:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.038	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**21.3**		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	**78.7**		0.1	0.1	%			09/02/23 13:31	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20

Date Collected: 08/29/23 14:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Benzene	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2-Dichloroethene, Total	ND	*-	11	4.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20

Date Collected: 08/29/23 14:25
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 87.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1100	81	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Styrene	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Toluene	ND		5.4	1.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.4	2.1	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	08/31/23 08:00	08/31/23 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*08/31/23 08:00*	*08/31/23 19:32*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*08/31/23 08:00*	*08/31/23 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*144*	*S1+*	*73 - 135*	*08/31/23 08:00*	*08/31/23 19:32*	*1*
Toluene-d8 (Surr)	*94*		*67 - 134*	*08/31/23 08:00*	*08/31/23 19:32*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Acenaphthylene	ND		74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Acetophenone	ND		740	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Anthracene	**22**	**J**	74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Atrazine	ND		740	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Benzaldehyde	ND		740	46	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Benzo[a]anthracene	**77**		74	33	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Benzo[a]pyrene	**77**		74	32	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Benzo[b]fluoranthene	**96**		74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Benzo[g,h,i]perylene	**67**	**J**	74	16	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Benzo[k]fluoranthene	**38**	**J**	74	22	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20

Date Collected: 08/29/23 14:25
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Carbazole	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Chrysene	**100**		74	41	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Dibenzofuran	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
3,3'-Dichlorobenzidine	ND		370	340	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Di-n-butyl phthalate	**390**		370	160	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Di-n-octyl phthalate	ND		370	210	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Fluoranthene	**140**		74	19	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Fluorene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Hexachloroethane	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Indeno[1,2,3-cd]pyrene	**49**	**J**	74	37	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Isophorone	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2-Methylphenol	ND		370	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Naphthalene	ND		74	14	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Nitrobenzene	ND		740	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Phenanthrene	**69**	**J**	74	20	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Phenol	ND		370	110	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
Pyrene	**140**		74	17	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Date Collected: 08/29/23 14:25
Date Received: 08/30/23 09:55

Lab Sample ID: 180-161584-20
Matrix: Solid
Percent Solids: 87.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	09/11/23 07:51	09/12/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*09/11/23 07:51*	*09/12/23 16:55*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*09/11/23 07:51*	*09/12/23 16:55*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*09/11/23 07:51*	*09/12/23 16:55*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*09/11/23 07:51*	*09/12/23 16:55*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*09/11/23 07:51*	*09/12/23 16:55*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*09/11/23 07:51*	*09/12/23 16:55*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1221	ND		19	6.7	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1232	ND		19	4.6	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1248	ND		19	4.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1254	**29**		19	5.7	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1260	ND		19	5.4	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1262	ND		19	6.7	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/11/23 13:30	09/12/23 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:54*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*09/11/23 13:30*	*09/12/23 21:54*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:54*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*09/11/23 13:30*	*09/12/23 21:54*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**	**B**	14	3.6	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Antimony	ND		0.71	0.22	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Arsenic	**5.5**		0.71	0.45	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Barium	**87**		14	2.5	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Beryllium	**0.34**		0.29	0.078	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Cadmium	**0.67**		0.36	0.052	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Calcium	**33000**		360	46	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Chromium	**14**		0.36	0.33	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Cobalt	**7.5**		3.6	0.50	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Copper	**37**		1.8	1.1	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Iron	**20000**		7.1	7.0	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Lead	**31**		0.71	0.62	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Magnesium	**5100**		360	39	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Manganese	**500**		1.1	0.20	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Nickel	**22**		2.9	0.36	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Potassium	**590**		360	61	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Selenium	**0.38**	**J**	0.71	0.33	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B21
Lab Sample ID: 180-161584-20
Date Collected: 08/29/23 14:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.36	0.074	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Sodium	**68**	**J**	360	37	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Thallium	ND		1.4	0.20	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Vanadium	**24**		3.6	0.57	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1
Zinc	**310**	**B**	1.4	1.0	mg/Kg	☼	08/31/23 08:00	10/04/23 18:59	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.090**		0.037	0.024	mg/Kg	☼	08/31/23 11:25	09/01/23 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.5**		0.1	0.1	%			09/02/23 13:31	1
Percent Solids (SM22 2540G)	**87.5**		0.1	0.1	%			09/02/23 13:31	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-445222/7
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			08/31/23 11:03	1
Benzene	ND		5.0	1.4	ug/Kg			08/31/23 11:03	1
Bromoform	ND		5.0	2.5	ug/Kg			08/31/23 11:03	1
Bromomethane	ND		5.0	2.3	ug/Kg			08/31/23 11:03	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			08/31/23 11:03	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			08/31/23 11:03	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			08/31/23 11:03	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			08/31/23 11:03	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			08/31/23 11:03	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			08/31/23 11:03	1
Chloroethane	ND		5.0	2.9	ug/Kg			08/31/23 11:03	1
Chloroform	ND		5.0	3.4	ug/Kg			08/31/23 11:03	1
Chloromethane	ND		5.0	2.0	ug/Kg			08/31/23 11:03	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			08/31/23 11:03	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			08/31/23 11:03	1
Cyclohexane	ND		5.0	2.4	ug/Kg			08/31/23 11:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			08/31/23 11:03	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			08/31/23 11:03	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			08/31/23 11:03	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			08/31/23 11:03	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			08/31/23 11:03	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			08/31/23 11:03	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			08/31/23 11:03	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			08/31/23 11:03	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			08/31/23 11:03	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			08/31/23 11:03	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			08/31/23 11:03	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			08/31/23 11:03	1
1,4-Dioxane	ND		1000	76	ug/Kg			08/31/23 11:03	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			08/31/23 11:03	1
2-Hexanone	ND		25	1.6	ug/Kg			08/31/23 11:03	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			08/31/23 11:03	1
Methyl acetate	ND		25	7.4	ug/Kg			08/31/23 11:03	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			08/31/23 11:03	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			08/31/23 11:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			08/31/23 11:03	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			08/31/23 11:03	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			08/31/23 11:03	1
o-Xylene	ND		5.0	2.0	ug/Kg			08/31/23 11:03	1
Styrene	ND		5.0	1.5	ug/Kg			08/31/23 11:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			08/31/23 11:03	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			08/31/23 11:03	1
Toluene	ND		5.0	1.4	ug/Kg			08/31/23 11:03	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			08/31/23 11:03	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			08/31/23 11:03	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			08/31/23 11:03	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			08/31/23 11:03	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			08/31/23 11:03	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-445222/7
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			08/31/23 11:03	1
Trichloroethene	ND		5.0	1.6	ug/Kg			08/31/23 11:03	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			08/31/23 11:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			08/31/23 11:03	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			08/31/23 11:03	1
Xylenes, Total	ND		10	7.2	ug/Kg			08/31/23 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*		*08/31/23 11:03*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*		*08/31/23 11:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*		*08/31/23 11:03*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*		*08/31/23 11:03*	*1*

Lab Sample ID: LCS 180-445222/4
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	20.4	J	ug/Kg		51	23 - 170
Benzene	40.0	39.4		ug/Kg		99	77 - 120
Bromoform	40.0	31.2		ug/Kg		78	37 - 147
Bromomethane	40.0	36.6		ug/Kg		92	47 - 149
2-Butanone (MEK)	40.0	21.5	J	ug/Kg		54	39 - 157
Carbon disulfide	40.0	32.1		ug/Kg		80	40 - 156
Carbon tetrachloride	40.0	37.2		ug/Kg		93	73 - 130
Chlorobenzene	40.0	33.6		ug/Kg		84	79 - 122
Chlorobromomethane	40.0	30.0		ug/Kg		75	64 - 128
Chlorodibromomethane	40.0	33.7		ug/Kg		84	60 - 134
Chloroethane	40.0	23.2		ug/Kg		58	37 - 159
Chloroform	40.0	35.5		ug/Kg		89	73 - 126
Chloromethane	40.0	51.6		ug/Kg		129	46 - 151
cis-1,2-Dichloroethene	40.0	30.8		ug/Kg		77	77 - 118
cis-1,3-Dichloropropene	40.0	36.0		ug/Kg		90	73 - 127
Cyclohexane	40.0	35.6		ug/Kg		89	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	33.4		ug/Kg		83	30 - 163
1,2-Dibromoethane	40.0	34.8		ug/Kg		87	59 - 137
1,2-Dichlorobenzene	40.0	34.4		ug/Kg		86	76 - 120
1,3-Dichlorobenzene	40.0	34.7		ug/Kg		87	77 - 121
1,4-Dichlorobenzene	40.0	34.0		ug/Kg		85	79 - 120
Dichlorobromomethane	40.0	38.8		ug/Kg		97	75 - 123
Dichlorodifluoromethane	40.0	51.7		ug/Kg		129	26 - 149
1,1-Dichloroethane	40.0	32.1		ug/Kg		80	73 - 124
1,2-Dichloroethane	40.0	39.5		ug/Kg		99	64 - 140
1,1-Dichloroethene	40.0	30.3		ug/Kg		76	55 - 136
1,2-Dichloroethene, Total	80.0	60.9	*-	ug/Kg		76	77 - 119
1,2-Dichloropropane	40.0	38.6		ug/Kg		97	77 - 119
1,4-Dioxane	800	888	J	ug/Kg		111	18 - 166
Ethylbenzene	40.0	35.2		ug/Kg		88	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-445222/4
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	25.1		ug/Kg		63	42 - 152
Isopropylbenzene	40.0	36.2		ug/Kg		90	70 - 125
Methyl acetate	80.0	63.2		ug/Kg		79	20 - 170
Methylcyclohexane	40.0	35.8		ug/Kg		90	70 - 125
Methylene Chloride	40.0	30.1		ug/Kg		75	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	30.5		ug/Kg		76	51 - 147
Methyl tert-butyl ether	40.0	30.8		ug/Kg		77	58 - 132
m-Xylene & p-Xylene	40.0	34.7		ug/Kg		87	77 - 120
o-Xylene	40.0	34.0		ug/Kg		85	78 - 118
Styrene	40.0	35.4		ug/Kg		88	80 - 120
1,1,2,2-Tetrachloroethane	40.0	34.8		ug/Kg		87	36 - 170
Tetrachloroethene	40.0	33.0		ug/Kg		83	71 - 121
Toluene	40.0	35.9		ug/Kg		90	76 - 120
trans-1,2-Dichloroethene	40.0	30.2		ug/Kg		75	75 - 122
trans-1,3-Dichloropropene	40.0	36.4		ug/Kg		91	68 - 133
1,2,3-Trichlorobenzene	40.0	34.2		ug/Kg		85	29 - 166
1,2,4-Trichlorobenzene	40.0	33.6		ug/Kg		84	22 - 170
1,1,1-Trichloroethane	40.0	37.0		ug/Kg		93	72 - 134
1,1,2-Trichloroethane	40.0	35.3		ug/Kg		88	66 - 128
Trichloroethene	40.0	35.2		ug/Kg		88	69 - 118
Trichlorofluoromethane	40.0	31.3		ug/Kg		78	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	20.3	*-	ug/Kg		51	59 - 135
Vinyl chloride	40.0	46.5		ug/Kg		116	64 - 134
Xylenes, Total	80.0	68.7		ug/Kg		86	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*86*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		49.3	42.6		ug/Kg	☼	86	23 - 170
Benzene	ND		49.3	57.0		ug/Kg	☼	116	77 - 120
Bromoform	ND		49.3	43.4		ug/Kg	☼	88	37 - 147
Bromomethane	ND		49.3	43.2		ug/Kg	☼	88	47 - 149
2-Butanone (MEK)	ND		49.3	45.0		ug/Kg	☼	91	39 - 157
Carbon disulfide	ND		49.3	50.7		ug/Kg	☼	103	40 - 156
Carbon tetrachloride	ND		49.3	51.3		ug/Kg	☼	104	73 - 130
Chlorobenzene	ND		49.3	43.8		ug/Kg	☼	89	79 - 122
Chlorobromomethane	ND		49.3	53.8		ug/Kg	☼	109	64 - 128
Chlorodibromomethane	ND		49.3	45.1		ug/Kg	☼	91	60 - 134
Chloroethane	ND		49.3	34.1		ug/Kg	☼	69	37 - 159
Chloroform	ND		49.3	57.9		ug/Kg	☼	117	73 - 126

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445247

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND		49.3	72.7		ug/Kg	☼	147	46 - 151
cis-1,2-Dichloroethene	ND		49.3	53.9		ug/Kg	☼	109	77 - 118
cis-1,3-Dichloropropene	ND		49.3	52.4		ug/Kg	☼	106	73 - 127
Cyclohexane	ND		49.3	50.1		ug/Kg	☼	102	63 - 143
1,2-Dibromo-3-Chloropropane	ND		49.3	46.3		ug/Kg	☼	94	30 - 163
1,2-Dibromoethane	ND		49.3	47.6		ug/Kg	☼	97	59 - 137
1,2-Dichlorobenzene	ND		49.3	44.9		ug/Kg	☼	91	76 - 120
1,3-Dichlorobenzene	ND		49.3	44.5		ug/Kg	☼	90	77 - 121
1,4-Dichlorobenzene	ND		49.3	43.5		ug/Kg	☼	88	79 - 120
Dichlorobromomethane	ND		49.3	57.5		ug/Kg	☼	117	75 - 123
Dichlorodifluoromethane	ND	F1	49.3	74.4	F1	ug/Kg	☼	151	26 - 149
1,1-Dichloroethane	ND		49.3	55.7		ug/Kg	☼	113	73 - 124
1,2-Dichloroethane	ND		49.3	58.8		ug/Kg	☼	119	64 - 140
1,1-Dichloroethene	ND		49.3	48.5		ug/Kg	☼	98	55 - 136
1,2-Dichloroethene, Total	ND	*-	98.6	101		ug/Kg	☼	102	77 - 119
1,2-Dichloropropane	ND		49.3	55.2		ug/Kg	☼	112	77 - 119
1,4-Dioxane	ND		986	1450		ug/Kg	☼	147	18 - 166
Ethylbenzene	ND		49.3	46.0		ug/Kg	☼	93	79 - 119
2-Hexanone	ND		49.3	37.0		ug/Kg	☼	75	42 - 152
Isopropylbenzene	ND		49.3	46.0		ug/Kg	☼	93	70 - 125
Methyl acetate	ND		98.6	110		ug/Kg	☼	112	20 - 170
Methylcyclohexane	ND		49.3	50.8		ug/Kg	☼	103	70 - 125
Methylene Chloride	ND		49.3	47.1		ug/Kg	☼	96	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		49.3	44.4		ug/Kg	☼	90	51 - 147
Methyl tert-butyl ether	ND		49.3	49.9		ug/Kg	☼	101	58 - 132
m-Xylene & p-Xylene	ND		49.3	44.6		ug/Kg	☼	91	77 - 120
o-Xylene	ND		49.3	44.2		ug/Kg	☼	90	78 - 118
Styrene	ND		49.3	45.7		ug/Kg	☼	93	80 - 120
1,1,2,2-Tetrachloroethane	ND		49.3	49.9		ug/Kg	☼	101	36 - 170
Tetrachloroethene	ND		49.3	43.1		ug/Kg	☼	87	71 - 121
Toluene	ND		49.3	45.2		ug/Kg	☼	92	76 - 120
trans-1,2-Dichloroethene	ND		49.3	46.9		ug/Kg	☼	95	75 - 122
trans-1,3-Dichloropropene	ND		49.3	48.5		ug/Kg	☼	98	68 - 133
1,2,3-Trichlorobenzene	ND		49.3	42.7		ug/Kg	☼	87	29 - 166
1,2,4-Trichlorobenzene	ND		49.3	41.3		ug/Kg	☼	84	22 - 170
1,1,1-Trichloroethane	ND		49.3	54.7		ug/Kg	☼	111	72 - 134
1,1,2-Trichloroethane	ND		49.3	48.8		ug/Kg	☼	99	66 - 128
Trichloroethene	ND		49.3	49.5		ug/Kg	☼	100	69 - 118
Trichlorofluoromethane	ND		49.3	50.0		ug/Kg	☼	101	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	49.3	38.5		ug/Kg	☼	78	59 - 135
Vinyl chloride	ND		49.3	64.5		ug/Kg	☼	131	64 - 134
Xylenes, Total	ND		98.6	88.8		ug/Kg	☼	90	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*112*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445247

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	88		67 - 134

Lab Sample ID: 180-161584-9 MSD
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		48.1	45.6		ug/Kg	☼	95	23 - 170	7	35
Benzene	ND		48.1	53.8		ug/Kg	☼	112	77 - 120	6	20
Bromoform	ND		48.1	39.4		ug/Kg	☼	82	37 - 147	9	23
Bromomethane	ND		48.1	40.8		ug/Kg	☼	85	47 - 149	6	25
2-Butanone (MEK)	ND		48.1	38.2		ug/Kg	☼	79	39 - 157	16	33
Carbon disulfide	ND		48.1	55.4		ug/Kg	☼	115	40 - 156	9	25
Carbon tetrachloride	ND		48.1	48.0		ug/Kg	☼	100	73 - 130	7	21
Chlorobenzene	ND		48.1	42.2		ug/Kg	☼	88	79 - 122	4	20
Chlorobromomethane	ND		48.1	47.1		ug/Kg	☼	98	64 - 128	13	20
Chlorodibromomethane	ND		48.1	42.7		ug/Kg	☼	89	60 - 134	6	40
Chloroethane	ND		48.1	35.1		ug/Kg	☼	73	37 - 159	3	25
Chloroform	ND		48.1	55.4		ug/Kg	☼	115	73 - 126	4	20
Chloromethane	ND		48.1	67.2		ug/Kg	☼	140	46 - 151	8	33
cis-1,2-Dichloroethene	ND		48.1	50.7		ug/Kg	☼	105	77 - 118	6	20
cis-1,3-Dichloropropene	ND		48.1	49.1		ug/Kg	☼	102	73 - 127	7	20
Cyclohexane	ND		48.1	47.7		ug/Kg	☼	99	63 - 143	5	25
1,2-Dibromo-3-Chloropropane	ND		48.1	39.8		ug/Kg	☼	83	30 - 163	15	34
1,2-Dibromoethane	ND		48.1	42.8		ug/Kg	☼	89	59 - 137	11	20
1,2-Dichlorobenzene	ND		48.1	41.6		ug/Kg	☼	86	76 - 120	8	20
1,3-Dichlorobenzene	ND		48.1	41.9		ug/Kg	☼	87	77 - 121	6	20
1,4-Dichlorobenzene	ND		48.1	41.1		ug/Kg	☼	85	79 - 120	6	20
Dichlorobromomethane	ND		48.1	54.6		ug/Kg	☼	113	75 - 123	5	20
Dichlorodifluoromethane	ND	F1	48.1	68.3		ug/Kg	☼	142	26 - 149	9	24
1,1-Dichloroethane	ND		48.1	53.3		ug/Kg	☼	111	73 - 124	4	20
1,2-Dichloroethane	ND		48.1	53.7		ug/Kg	☼	112	64 - 140	9	20
1,1-Dichloroethene	ND		48.1	42.4		ug/Kg	☼	88	55 - 136	13	21
1,2-Dichloroethene, Total	ND	*-	96.3	103		ug/Kg	☼	107	77 - 119	2	20
1,2-Dichloropropane	ND		48.1	51.2		ug/Kg	☼	106	77 - 119	7	20
1,4-Dioxane	ND		963	1120	J	ug/Kg	☼	116	18 - 166	26	40
Ethylbenzene	ND		48.1	43.6		ug/Kg	☼	91	79 - 119	5	20
2-Hexanone	ND		48.1	34.5		ug/Kg	☼	72	42 - 152	7	30
Isopropylbenzene	ND		48.1	44.9		ug/Kg	☼	93	70 - 125	2	21
Methyl acetate	ND		96.3	115		ug/Kg	☼	119	20 - 170	4	33
Methylcyclohexane	ND		48.1	49.6		ug/Kg	☼	103	70 - 125	2	22
Methylene Chloride	ND		48.1	53.1		ug/Kg	☼	110	67 - 131	12	32
4-Methyl-2-pentanone (MIBK)	ND		48.1	37.9		ug/Kg	☼	79	51 - 147	16	27
Methyl tert-butyl ether	ND		48.1	51.2		ug/Kg	☼	106	58 - 132	2	24
m-Xylene & p-Xylene	ND		48.1	43.3		ug/Kg	☼	90	77 - 120	3	20
o-Xylene	ND		48.1	43.0		ug/Kg	☼	89	78 - 118	3	20
Styrene	ND		48.1	44.2		ug/Kg	☼	92	80 - 120	3	20
1,1,2,2-Tetrachloroethane	ND		48.1	43.9		ug/Kg	☼	91	36 - 170	13	23

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161584-9 MSD
Matrix: Solid
Analysis Batch: 445222

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445247

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	ND		48.1	42.9		ug/Kg	☼	89	71 - 121	0	21
Toluene	ND		48.1	44.4		ug/Kg	☼	92	76 - 120	2	20
trans-1,2-Dichloroethene	ND		48.1	52.3		ug/Kg	☼	109	75 - 122	11	20
trans-1,3-Dichloropropene	ND		48.1	46.5		ug/Kg	☼	97	68 - 133	4	20
1,2,3-Trichlorobenzene	ND		48.1	33.7		ug/Kg	☼	70	29 - 166	24	40
1,2,4-Trichlorobenzene	ND		48.1	40.4		ug/Kg	☼	84	22 - 170	2	29
1,1,1-Trichloroethane	ND		48.1	51.2		ug/Kg	☼	106	72 - 134	7	20
1,1,2-Trichloroethane	ND		48.1	45.5		ug/Kg	☼	95	66 - 128	7	21
Trichloroethene	ND		48.1	46.9		ug/Kg	☼	97	69 - 118	5	20
Trichlorofluoromethane	ND		48.1	47.3		ug/Kg	☼	98	32 - 149	5	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	48.1	40.4		ug/Kg	☼	84	59 - 135	5	28
Vinyl chloride	ND		48.1	60.2		ug/Kg	☼	125	64 - 134	7	23
Xylenes, Total	ND		96.3	86.3		ug/Kg	☼	90	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*92*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-446056/1-A
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Acenaphthylene	ND		67	15	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Acetophenone	ND		670	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Anthracene	ND		67	17	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Atrazine	ND		670	150	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Benzaldehyde	ND		670	41	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Benzo[a]anthracene	ND		67	30	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Benzo[a]pyrene	ND		67	29	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
1,1'-Biphenyl	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Caprolactam	ND		1700	220	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Carbazole	ND		67	16	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4-Chloroaniline	ND		330	88	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-446056/1-A
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		67	15	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2-Chlorophenol	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Chrysene	ND		67	37	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Dibenzofuran	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Diethyl phthalate	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Dimethyl phthalate	ND		330	130	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
1,4-Dioxane	ND		670	100	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Fluoranthene	ND		67	18	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Fluorene	ND		67	13	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Hexachlorobenzene	ND		67	24	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Hexachlorobutadiene	ND		67	20	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Hexachloroethane	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Isophorone	ND		330	130	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2-Methylnaphthalene	ND		67	16	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2-Methylphenol	ND		330	96	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Naphthalene	ND		67	13	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2-Nitroaniline	ND		1700	150	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
3-Nitroaniline	ND		1700	85	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4-Nitroaniline	ND		1700	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Nitrobenzene	ND		670	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2-Nitrophenol	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
4-Nitrophenol	ND		1700	230	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Pentachlorophenol	ND		1700	540	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Phenanthrene	ND		67	18	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Phenol	ND		330	100	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
Pyrene	ND		67	16	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		09/11/23 07:51	09/12/23 07:53	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		09/11/23 07:51	09/12/23 07:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-446056/1-A
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446056

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		44 - 105	09/11/23 07:51	09/12/23 07:53	1
2-Fluorophenol (Surr)	62		48 - 105	09/11/23 07:51	09/12/23 07:53	1
Nitrobenzene-d5 (Surr)	68		46 - 105	09/11/23 07:51	09/12/23 07:53	1
Phenol-d5 (Surr)	63		46 - 105	09/11/23 07:51	09/12/23 07:53	1
Terphenyl-d14 (Surr)	61		39 - 105	09/11/23 07:51	09/12/23 07:53	1
2,4,6-Tribromophenol (Surr)	77		34 - 108	09/11/23 07:51	09/12/23 07:53	1

Lab Sample ID: LCS 180-446056/2-A
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4550		ug/Kg		68	50 - 100
Acenaphthylene	6670	4780		ug/Kg		72	52 - 100
Acetophenone	6670	4480		ug/Kg		67	48 - 100
Anthracene	6670	4530		ug/Kg		68	53 - 100
Atrazine	6670	4610		ug/Kg		69	49 - 103
Benzaldehyde	6670	2720		ug/Kg		41	23 - 105
Benzo[a]anthracene	6670	4520		ug/Kg		68	51 - 100
Benzo[a]pyrene	6670	4760		ug/Kg		71	51 - 100
Benzo[b]fluoranthene	6670	4040		ug/Kg		61	48 - 100
Benzo[g,h,i]perylene	6670	4530		ug/Kg		68	48 - 105
Benzo[k]fluoranthene	6670	4260		ug/Kg		64	19 - 100
1,1'-Biphenyl	6670	4500		ug/Kg		67	50 - 100
Bis(2-chloroethoxy)methane	6670	4190		ug/Kg		63	49 - 100
Bis(2-chloroethyl)ether	6670	3980		ug/Kg		60	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4290		ug/Kg		64	53 - 107
4-Bromophenyl phenyl ether	6670	5000		ug/Kg		75	52 - 101
Butyl benzyl phthalate	6670	4510		ug/Kg		68	52 - 107
Caprolactam	6670	5150		ug/Kg		77	48 - 111
Carbazole	6670	4550		ug/Kg		68	53 - 100
4-Chloroaniline	6670	4430		ug/Kg		66	47 - 100
4-Chloro-3-methylphenol	6670	4720		ug/Kg		71	49 - 106
2-Chloronaphthalene	6670	4310		ug/Kg		65	51 - 100
2-Chlorophenol	6670	4630		ug/Kg		69	51 - 100
4-Chlorophenyl phenyl ether	6670	4960		ug/Kg		74	52 - 100
Chrysene	6670	4630		ug/Kg		69	50 - 100
Dibenz(a,h)anthracene	6670	4560		ug/Kg		68	50 - 107
Dibenzofuran	6670	4570		ug/Kg		69	52 - 100
3,3'-Dichlorobenzidine	6670	4260		ug/Kg		64	43 - 100
2,4-Dichlorophenol	6670	4910		ug/Kg		74	53 - 101
Diethyl phthalate	6670	4930		ug/Kg		74	48 - 104
2,4-Dimethylphenol	6670	3440		ug/Kg		52	51 - 101
Dimethyl phthalate	6670	4780		ug/Kg		72	53 - 100
Di-n-butyl phthalate	6670	4660		ug/Kg		70	57 - 102
4,6-Dinitro-2-methylphenol	13300	10600		ug/Kg		79	51 - 100
2,4-Dinitrophenol	13300	10700		ug/Kg		80	33 - 101
2,4-Dinitrotoluene	6670	5380		ug/Kg		81	54 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-446056/2-A
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	6670	4790		ug/Kg		72	51 - 106
Di-n-octyl phthalate	6670	3730		ug/Kg		56	41 - 106
1,4-Dioxane	6670	4220		ug/Kg		63	25 - 125
Fluoranthene	6670	4920		ug/Kg		74	55 - 100
Fluorene	6670	4710		ug/Kg		71	52 - 100
Hexachlorobenzene	6670	4890		ug/Kg		73	49 - 100
Hexachlorobutadiene	6670	5130		ug/Kg		77	38 - 107
Hexachlorocyclopentadiene	6670	3260		ug/Kg		49	33 - 117
Hexachloroethane	6670	4620		ug/Kg		69	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4580		ug/Kg		69	51 - 103
Isophorone	6670	4610		ug/Kg		69	48 - 105
2-Methylnaphthalene	6670	4840		ug/Kg		73	53 - 100
2-Methylphenol	6670	4220		ug/Kg		63	50 - 101
Methylphenol, 3 & 4	6670	4370		ug/Kg		65	50 - 103
Naphthalene	6670	4430		ug/Kg		66	51 - 100
2-Nitroaniline	6670	4580		ug/Kg		69	42 - 123
3-Nitroaniline	6670	4720		ug/Kg		71	50 - 103
4-Nitroaniline	6670	4780		ug/Kg		72	52 - 103
Nitrobenzene	6670	4300		ug/Kg		64	44 - 108
2-Nitrophenol	6670	5100		ug/Kg		77	55 - 107
4-Nitrophenol	13300	9330		ug/Kg		70	30 - 134
N-Nitrosodi-n-propylamine	6670	4430		ug/Kg		66	45 - 107
N-Nitrosodiphenylamine	6670	4400		ug/Kg		66	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4130		ug/Kg		62	30 - 113
Pentachlorophenol	13300	9500		ug/Kg		71	42 - 110
Phenanthrene	6670	4330		ug/Kg		65	53 - 100
Phenol	6670	4220		ug/Kg		63	49 - 100
Pyrene	6670	4400		ug/Kg		66	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4780		ug/Kg		72	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5350		ug/Kg		80	47 - 104
2,4,5-Trichlorophenol	6670	4570		ug/Kg		69	50 - 104
2,4,6-Trichlorophenol	6670	5000		ug/Kg		75	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*44 - 105*
2-Fluorophenol (Surr)	*70*		*48 - 105*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*
Phenol-d5 (Surr)	*65*		*46 - 105*
Terphenyl-d14 (Surr)	*65*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 446056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		8540	6140		ug/Kg	☼	72	50 - 100
Acenaphthylene	100		8540	6430		ug/Kg	☼	74	52 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 446166

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 446056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetophenone	ND		8540	5820		ug/Kg	☼	68	48 - 100
Anthracene	98		8540	6000		ug/Kg	☼	69	53 - 100
Atrazine	ND		8540	6090		ug/Kg	☼	71	49 - 103
Benzaldehyde	ND	F1	8540	534	J F1	ug/Kg	☼	6	23 - 105
Benzo[a]anthracene	260		8540	6190		ug/Kg	☼	69	51 - 100
Benzo[a]pyrene	250		8540	6450		ug/Kg	☼	73	51 - 100
Benzo[b]fluoranthene	400		8540	5640		ug/Kg	☼	61	48 - 100
Benzo[g,h,i]perylene	190		8540	6470		ug/Kg	☼	74	48 - 105
Benzo[k]fluoranthene	150		8540	5640		ug/Kg	☼	64	19 - 100
1,1'-Biphenyl	ND		8540	5890		ug/Kg	☼	69	50 - 100
Bis(2-chloroethoxy)methane	ND		8540	5580		ug/Kg	☼	65	49 - 100
Bis(2-chloroethyl)ether	ND		8540	5030		ug/Kg	☼	59	48 - 100
Bis(2-ethylhexyl) phthalate	ND		8540	5940		ug/Kg	☼	70	53 - 107
4-Bromophenyl phenyl ether	ND		8540	6380		ug/Kg	☼	75	52 - 101
Butyl benzyl phthalate	ND		8540	6000		ug/Kg	☼	70	52 - 107
Caprolactam	ND		8540	7000		ug/Kg	☼	82	48 - 111
Carbazole	54	J	8540	6120		ug/Kg	☼	71	53 - 100
4-Chloroaniline	ND		8540	5700		ug/Kg	☼	67	47 - 100
4-Chloro-3-methylphenol	ND		8540	6170		ug/Kg	☼	72	49 - 106
2-Chloronaphthalene	ND		8540	5640		ug/Kg	☼	66	51 - 100
2-Chlorophenol	ND		8540	6030		ug/Kg	☼	71	51 - 100
4-Chlorophenyl phenyl ether	ND		8540	6450		ug/Kg	☼	76	52 - 100
Chrysene	410		8540	6510		ug/Kg	☼	72	50 - 100
Dibenz(a,h)anthracene	63	J	8540	6530		ug/Kg	☼	76	50 - 107
Dibenzofuran	ND		8540	6100		ug/Kg	☼	71	52 - 100
3,3'-Dichlorobenzidine	ND		8540	5480		ug/Kg	☼	64	43 - 100
2,4-Dichlorophenol	ND		8540	6350		ug/Kg	☼	74	53 - 101
Diethyl phthalate	ND		8540	6450		ug/Kg	☼	76	48 - 104
2,4-Dimethylphenol	ND	F1	8540	4340		ug/Kg	☼	51	51 - 101
Dimethyl phthalate	ND		8540	6510		ug/Kg	☼	76	53 - 100
Di-n-butyl phthalate	ND		8540	6200		ug/Kg	☼	73	57 - 102
4,6-Dinitro-2-methylphenol	ND		17100	14000		ug/Kg	☼	82	51 - 100
2,4-Dinitrophenol	ND		17100	13100		ug/Kg	☼	77	33 - 101
2,4-Dinitrotoluene	ND		8540	7160		ug/Kg	☼	84	54 - 104
2,6-Dinitrotoluene	ND		8540	6610		ug/Kg	☼	77	51 - 106
Di-n-octyl phthalate	ND		8540	4930		ug/Kg	☼	58	41 - 106
1,4-Dioxane	ND		8540	5010		ug/Kg	☼	59	25 - 125
Fluoranthene	480		8540	6490		ug/Kg	☼	70	55 - 100
Fluorene	19	J	8540	6210		ug/Kg	☼	72	52 - 100
Hexachlorobenzene	ND		8540	6390		ug/Kg	☼	75	49 - 100
Hexachlorobutadiene	ND		8540	6480		ug/Kg	☼	76	38 - 107
Hexachlorocyclopentadiene	ND		8540	3890		ug/Kg	☼	46	33 - 117
Hexachloroethane	ND		8540	5780		ug/Kg	☼	68	47 - 100
Indeno[1,2,3-cd]pyrene	150		8540	6450		ug/Kg	☼	74	51 - 103
Isophorone	ND		8540	5860		ug/Kg	☼	69	48 - 105
2-Methylnaphthalene	52	J	8540	6220		ug/Kg	☼	72	53 - 100
2-Methylphenol	ND		8540	5210		ug/Kg	☼	61	50 - 101
Methylphenol, 3 & 4	ND		8540	5500		ug/Kg	☼	64	50 - 103
Naphthalene	67	J	8540	5800		ug/Kg	☼	67	51 - 100

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161584-9 MS
Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446166
Prep Batch: 446056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	ND		8540	6060		ug/Kg	☼	71	42 - 123
3-Nitroaniline	ND		8540	6340		ug/Kg	☼	74	50 - 103
4-Nitroaniline	ND		8540	6250		ug/Kg	☼	73	52 - 103
Nitrobenzene	ND		8540	5600		ug/Kg	☼	66	44 - 108
2-Nitrophenol	ND		8540	6570		ug/Kg	☼	77	55 - 107
4-Nitrophenol	ND		17100	12800		ug/Kg	☼	75	30 - 134
N-Nitrosodi-n-propylamine	ND		8540	5750		ug/Kg	☼	67	45 - 107
N-Nitrosodiphenylamine	ND		8540	5790		ug/Kg	☼	68	52 - 100
2,2'-oxybis[1-chloropropane]	ND		8540	5300		ug/Kg	☼	62	30 - 113
Pentachlorophenol	ND		17100	11700		ug/Kg	☼	68	42 - 110
Phenanthrene	190		8540	5920		ug/Kg	☼	67	53 - 100
Phenol	ND		8540	5920		ug/Kg	☼	69	49 - 100
Pyrene	410		8540	6180		ug/Kg	☼	68	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		8540	6200		ug/Kg	☼	73	41 - 104
2,3,4,6-Tetrachlorophenol	ND		8540	6810		ug/Kg	☼	80	47 - 104
2,4,5-Trichlorophenol	ND		8540	6150		ug/Kg	☼	72	50 - 104
2,4,6-Trichlorophenol	ND		8540	6670		ug/Kg	☼	78	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*44 - 105*
2-Fluorophenol (Surr)	*79*		*48 - 105*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*
Phenol-d5 (Surr)	*81*		*46 - 105*
Terphenyl-d14 (Surr)	*78*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*93*		*34 - 108*

Lab Sample ID: 180-161584-9 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446166
Prep Batch: 446056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		8770	6010		ug/Kg	☼	69	50 - 100	2	20
Acenaphthylene	100		8770	6250		ug/Kg	☼	70	52 - 100	3	20
Acetophenone	ND		8770	5960		ug/Kg	☼	68	48 - 100	2	17
Anthracene	98		8770	6130		ug/Kg	☼	69	53 - 100	2	20
Atrazine	ND		8770	6060		ug/Kg	☼	69	49 - 103	1	19
Benzaldehyde	ND	F1	8770	564	J F1	ug/Kg	☼	6	23 - 105	5	31
Benzo[a]anthracene	260		8770	6320		ug/Kg	☼	69	51 - 100	2	21
Benzo[a]pyrene	250		8770	6420		ug/Kg	☼	70	51 - 100	1	20
Benzo[b]fluoranthene	400		8770	5780		ug/Kg	☼	61	48 - 100	3	20
Benzo[g,h,i]perylene	190		8770	6480		ug/Kg	☼	72	48 - 105	0	19
Benzo[k]fluoranthene	150		8770	5390		ug/Kg	☼	60	19 - 100	5	20
1,1'-Biphenyl	ND		8770	5850		ug/Kg	☼	67	50 - 100	1	19
Bis(2-chloroethoxy)methane	ND		8770	5410		ug/Kg	☼	62	49 - 100	3	20
Bis(2-chloroethyl)ether	ND		8770	5340		ug/Kg	☼	61	48 - 100	6	18
Bis(2-ethylhexyl) phthalate	ND		8770	6070		ug/Kg	☼	69	53 - 107	2	20
4-Bromophenyl phenyl ether	ND		8770	6400		ug/Kg	☼	73	52 - 101	0	20
Butyl benzyl phthalate	ND		8770	6200		ug/Kg	☼	71	52 - 107	3	19

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161584-9 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446166
Prep Batch: 446056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Caprolactam	ND		8770	6910		ug/Kg	☼	79	48 - 111	1	23
Carbazole	54	J	8770	6200		ug/Kg	☼	70	53 - 100	1	20
4-Chloroaniline	ND		8770	5760		ug/Kg	☼	66	47 - 100	1	20
4-Chloro-3-methylphenol	ND		8770	6150		ug/Kg	☼	70	49 - 106	0	20
2-Chloronaphthalene	ND		8770	5590		ug/Kg	☼	64	51 - 100	1	20
2-Chlorophenol	ND		8770	6190		ug/Kg	☼	71	51 - 100	3	17
4-Chlorophenyl phenyl ether	ND		8770	6520		ug/Kg	☼	74	52 - 100	1	19
Chrysene	410		8770	6630		ug/Kg	☼	71	50 - 100	2	20
Dibenz(a,h)anthracene	63	J	8770	6490		ug/Kg	☼	73	50 - 107	1	21
Dibenzofuran	ND		8770	6020		ug/Kg	☼	69	52 - 100	1	19
3,3'-Dichlorobenzidine	ND		8770	5740		ug/Kg	☼	65	43 - 100	5	19
2,4-Dichlorophenol	ND		8770	6210		ug/Kg	☼	71	53 - 101	2	22
Diethyl phthalate	ND		8770	6540		ug/Kg	☼	75	48 - 104	1	20
2,4-Dimethylphenol	ND	F1	8770	4360	F1	ug/Kg	☼	50	51 - 101	0	32
Dimethyl phthalate	ND		8770	6270		ug/Kg	☼	72	53 - 100	4	21
Di-n-butyl phthalate	ND		8770	6260		ug/Kg	☼	71	57 - 102	1	20
4,6-Dinitro-2-methylphenol	ND		17500	14000		ug/Kg	☼	80	51 - 100	1	22
2,4-Dinitrophenol	ND		17500	12900		ug/Kg	☼	74	33 - 101	2	20
2,4-Dinitrotoluene	ND		8770	7120		ug/Kg	☼	81	54 - 104	1	20
2,6-Dinitrotoluene	ND		8770	6380		ug/Kg	☼	73	51 - 106	3	20
Di-n-octyl phthalate	ND		8770	4980		ug/Kg	☼	57	41 - 106	1	18
1,4-Dioxane	ND		8770	5030		ug/Kg	☼	57	25 - 125	0	17
Fluoranthene	480		8770	6590		ug/Kg	☼	70	55 - 100	2	20
Fluorene	19	J	8770	6150		ug/Kg	☼	70	52 - 100	1	19
Hexachlorobenzene	ND		8770	6490		ug/Kg	☼	74	49 - 100	1	20
Hexachlorobutadiene	ND		8770	6350		ug/Kg	☼	72	38 - 107	2	22
Hexachlorocyclopentadiene	ND		8770	3790		ug/Kg	☼	43	33 - 117	3	19
Hexachloroethane	ND		8770	5640		ug/Kg	☼	64	47 - 100	3	17
Indeno[1,2,3-cd]pyrene	150		8770	6580		ug/Kg	☼	73	51 - 103	2	19
Isophorone	ND		8770	5820		ug/Kg	☼	66	48 - 105	1	20
2-Methylnaphthalene	52	J	8770	6330		ug/Kg	☼	72	53 - 100	2	21
2-Methylphenol	ND		8770	5410		ug/Kg	☼	62	50 - 101	4	17
Methylphenol, 3 & 4	ND		8770	5610		ug/Kg	☼	64	50 - 103	2	19
Naphthalene	67	J	8770	5800		ug/Kg	☼	65	51 - 100	0	20
2-Nitroaniline	ND		8770	6070		ug/Kg	☼	69	42 - 123	0	19
3-Nitroaniline	ND		8770	6300		ug/Kg	☼	72	50 - 103	1	20
4-Nitroaniline	ND		8770	6190		ug/Kg	☼	71	52 - 103	1	18
Nitrobenzene	ND		8770	5510		ug/Kg	☼	63	44 - 108	2	21
2-Nitrophenol	ND		8770	6670		ug/Kg	☼	76	55 - 107	2	19
4-Nitrophenol	ND		17500	12100		ug/Kg	☼	69	30 - 134	6	18
N-Nitrosodi-n-propylamine	ND		8770	5950		ug/Kg	☼	68	45 - 107	3	18
N-Nitrosodiphenylamine	ND		8770	5840		ug/Kg	☼	67	52 - 100	1	20
2,2'-oxybis[1-chloropropane]	ND		8770	5420		ug/Kg	☼	62	30 - 113	2	17
Pentachlorophenol	ND		17500	11800		ug/Kg	☼	67	42 - 110	1	20
Phenanthrene	190		8770	5970		ug/Kg	☼	66	53 - 100	1	20
Phenol	ND		8770	5790		ug/Kg	☼	66	49 - 100	2	16
Pyrene	410		8770	6280		ug/Kg	☼	67	52 - 100	2	20
1,2,4,5-Tetrachlorobenzene	ND		8770	6100		ug/Kg	☼	70	41 - 104	2	21
2,3,4,6-Tetrachlorophenol	ND		8770	6840		ug/Kg	☼	78	47 - 104	0	18

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161584-9 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446166
Prep Batch: 446056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		8770	6090		ug/Kg	☼	69	50 - 104	1	21
2,4,6-Trichlorophenol	ND		8770	6440		ug/Kg	☼	73	50 - 105	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*44 - 105*
2-Fluorophenol (Surr)	*78*		*48 - 105*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*
Phenol-d5 (Surr)	*81*		*46 - 105*
Terphenyl-d14 (Surr)	*78*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*93*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-446119/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446298
Prep Batch: 446119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1221	ND		17	5.9	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1232	ND		17	4.1	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1242	ND		17	2.4	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1248	ND		17	4.0	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1254	ND		17	5.0	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1260	ND		17	4.7	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1262	ND		17	5.9	ug/Kg		09/11/23 13:30	09/13/23 07:38	1
PCB-1268	ND		17	2.2	ug/Kg		09/11/23 13:30	09/13/23 07:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*09/11/23 13:30*	*09/13/23 07:38*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*09/11/23 13:30*	*09/13/23 07:38*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*09/11/23 13:30*	*09/13/23 07:38*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*09/11/23 13:30*	*09/13/23 07:38*	*1*

Lab Sample ID: LCS 180-446119/2-C
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446298
Prep Batch: 446119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1490		ug/Kg		112	43 - 136
PCB-1260	1330	1400		ug/Kg		105	55 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 446155

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 446119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1750	1630		ug/Kg	☼	93	43 - 136
PCB-1260	30		1750	1430		ug/Kg	☼	80	55 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*63*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*77*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*

Lab Sample ID: 180-161584-9 MSD
Matrix: Solid
Analysis Batch: 446155

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 446119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1750	1920		ug/Kg	☼	109	43 - 136	16	40
PCB-1260	30		1750	1710		ug/Kg	☼	96	55 - 128	18	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-445187/1-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5.42	J	20	4.9	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Antimony	ND		0.98	0.30	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Arsenic	ND		0.98	0.61	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Barium	ND		20	3.5	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Beryllium	ND		0.39	0.11	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Cadmium	ND		0.49	0.072	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Calcium	ND		490	63	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Chromium	ND		0.49	0.45	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Cobalt	ND		4.9	0.69	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Copper	ND		2.5	1.5	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Iron	ND		9.8	9.5	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Lead	ND		0.98	0.85	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Magnesium	ND		490	54	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Manganese	ND		1.5	0.27	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Nickel	ND		3.9	0.49	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Potassium	ND		490	83	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Selenium	ND		0.98	0.45	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Silver	ND		0.49	0.10	mg/Kg		08/31/23 08:00	10/04/23 16:42	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-445187/1-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		490	50	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Thallium	ND		2.0	0.28	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Vanadium	ND		4.9	0.78	mg/Kg		08/31/23 08:00	10/04/23 16:42	1
Zinc	4.62		2.0	1.4	mg/Kg		08/31/23 08:00	10/04/23 16:42	1

Lab Sample ID: LCS 180-445187/2-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	481	516		mg/Kg		107	80 - 120
Antimony	24.0	26.2		mg/Kg		109	80 - 120
Arsenic	96.2	101		mg/Kg		105	80 - 120
Barium	96.2	98.5		mg/Kg		102	80 - 120
Beryllium	48.1	50.2		mg/Kg		104	80 - 120
Cadmium	48.1	50.8		mg/Kg		106	80 - 120
Calcium	2400	2530		mg/Kg		105	80 - 120
Chromium	48.1	48.8		mg/Kg		101	80 - 120
Cobalt	48.1	47.7		mg/Kg		99	80 - 120
Copper	48.1	49.3		mg/Kg		103	80 - 120
Iron	481	512		mg/Kg		107	80 - 120
Lead	48.1	48.4		mg/Kg		101	80 - 120
Magnesium	2400	2560		mg/Kg		106	80 - 120
Manganese	48.1	48.9		mg/Kg		102	80 - 120
Nickel	48.1	47.9		mg/Kg		100	80 - 120
Potassium	2400	2520		mg/Kg		105	80 - 120
Selenium	96.2	104		mg/Kg		108	80 - 120
Silver	24.0	23.5		mg/Kg		98	80 - 120
Sodium	2400	2570		mg/Kg		107	80 - 120
Thallium	96.2	98.9		mg/Kg		103	80 - 120
Vanadium	48.1	49.1		mg/Kg		102	80 - 120
Zinc	24.0	25.2		mg/Kg		105	80 - 120

Lab Sample ID: MB 180-448341/1-A
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Antimony	ND		1.0	0.30	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Arsenic	ND		1.0	0.63	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Barium	ND		20	3.6	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Beryllium	ND		0.40	0.11	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Cadmium	ND		0.50	0.073	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Calcium	ND		500	65	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Chromium	ND		0.50	0.46	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Cobalt	ND		5.0	0.70	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Copper	ND		2.5	1.5	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Iron	ND		10	9.7	mg/Kg		10/05/23 09:53	10/05/23 15:15	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 180-448341/1-A
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.87	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Magnesium	ND		500	55	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Manganese	ND		1.5	0.28	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Nickel	ND		4.0	0.50	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Potassium	ND		500	85	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Selenium	ND		1.0	0.46	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Silver	ND		0.50	0.10	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Sodium	ND		500	51	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Thallium	ND		2.0	0.28	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Vanadium	ND		5.0	0.79	mg/Kg		10/05/23 09:53	10/05/23 15:15	1
Zinc	ND		2.0	1.5	mg/Kg		10/05/23 09:53	10/05/23 15:15	1

Lab Sample ID: LCS 180-448341/2-A
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	484		mg/Kg		97	80 - 120
Antimony	25.0	24.3		mg/Kg		97	80 - 120
Arsenic	100	95.0		mg/Kg		95	80 - 120
Barium	100	90.9		mg/Kg		91	80 - 120
Beryllium	50.0	46.8		mg/Kg		94	80 - 120
Cadmium	50.0	48.4		mg/Kg		97	80 - 120
Calcium	2500	2420		mg/Kg		97	80 - 120
Chromium	50.0	45.0		mg/Kg		90	80 - 120
Cobalt	50.0	44.0		mg/Kg		88	80 - 120
Copper	50.0	45.4		mg/Kg		91	80 - 120
Iron	500	480		mg/Kg		96	80 - 120
Lead	50.0	45.4		mg/Kg		91	80 - 120
Magnesium	2500	2410		mg/Kg		97	80 - 120
Manganese	50.0	46.1		mg/Kg		92	80 - 120
Nickel	50.0	44.4		mg/Kg		89	80 - 120
Potassium	2500	2380		mg/Kg		95	80 - 120
Selenium	100	97.2		mg/Kg		97	80 - 120
Silver	25.0	21.5		mg/Kg		86	80 - 120
Sodium	2500	2380		mg/Kg		95	80 - 120
Thallium	100	91.0		mg/Kg		91	80 - 120
Vanadium	50.0	45.5		mg/Kg		91	80 - 120
Zinc	25.0	23.6		mg/Kg		94	80 - 120

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 448341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5100		658	6030	4	mg/Kg	☼	147	75 - 125
Antimony	1.0	J F1	32.9	12.4	F1	mg/Kg	☼	35	75 - 125
Arsenic	36		132	151		mg/Kg	☼	87	75 - 125
Barium	99		132	231		mg/Kg	☼	101	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 448341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.65		65.8	57.5		mg/Kg	☼	86	75 - 125
Cadmium	1.3		65.8	58.9		mg/Kg	☼	88	75 - 125
Calcium	20000		3290	8760	4	mg/Kg	☼	-333	75 - 125
Chromium	30		65.8	90.5		mg/Kg	☼	92	75 - 125
Cobalt	8.4		65.8	60.5		mg/Kg	☼	79	75 - 125
Copper	150	F1	65.8	188	F1	mg/Kg	☼	62	75 - 125
Iron	45000	F2	658	52300	4	mg/Kg	☼	1130	75 - 125
Lead	60		65.8	131		mg/Kg	☼	108	75 - 125
Magnesium	2400	F1	3290	4660	F1	mg/Kg	☼	69	75 - 125
Manganese	390	F2	65.8	397	4	mg/Kg	☼	14	75 - 125
Nickel	23		65.8	73.3		mg/Kg	☼	76	75 - 125
Potassium	610	J	3290	3460		mg/Kg	☼	86	75 - 125
Selenium	4.8		132	127		mg/Kg	☼	93	75 - 125
Silver	ND		32.9	26.5		mg/Kg	☼	81	75 - 125
Sodium	76	J	3290	2950		mg/Kg	☼	87	75 - 125
Thallium	ND	F1	132	93.1	F1	mg/Kg	☼	71	75 - 125
Vanadium	21		65.8	80.3		mg/Kg	☼	91	75 - 125
Zinc	780		32.9	766	4	mg/Kg	☼	-35	75 - 125

Lab Sample ID: 180-161584-9 MSD
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 448341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	5100		645	5870	4	mg/Kg	☼	125	75 - 125	3	20
Antimony	1.0	J F1	32.2	12.0	F1	mg/Kg	☼	34	75 - 125	3	20
Arsenic	36		129	142		mg/Kg	☼	82	75 - 125	6	20
Barium	99		129	226		mg/Kg	☼	99	75 - 125	3	20
Beryllium	0.65		64.5	55.9		mg/Kg	☼	86	75 - 125	3	20
Cadmium	1.3		64.5	56.4		mg/Kg	☼	85	75 - 125	4	20
Calcium	20000		3220	9500	4	mg/Kg	☼	-316	75 - 125	8	20
Chromium	30		64.5	84.2		mg/Kg	☼	84	75 - 125	7	20
Cobalt	8.4		64.5	60.1		mg/Kg	☼	80	75 - 125	1	20
Copper	150	F1	64.5	183	F1	mg/Kg	☼	55	75 - 125	3	20
Iron	45000	F2	645	32700	4 F2	mg/Kg	☼	-1898	75 - 125	46	20
Lead	60		64.5	129		mg/Kg	☼	106	75 - 125	2	20
Magnesium	2400	F1	3220	4450	F1	mg/Kg	☼	64	75 - 125	5	20
Manganese	390	F2	64.5	318	4 F2	mg/Kg	☼	-108	75 - 125	22	20
Nickel	23		64.5	72.4		mg/Kg	☼	76	75 - 125	1	20
Potassium	610	J	3220	3400		mg/Kg	☼	86	75 - 125	2	20
Selenium	4.8		129	121		mg/Kg	☼	90	75 - 125	4	20
Silver	ND		32.2	26.1		mg/Kg	☼	81	75 - 125	1	20
Sodium	76	J	3220	2880		mg/Kg	☼	87	75 - 125	2	20
Thallium	ND	F1	129	93.9	F1	mg/Kg	☼	73	75 - 125	1	20
Vanadium	21		64.5	76.3		mg/Kg	☼	86	75 - 125	5	20
Zinc	780		32.2	685	4	mg/Kg	☼	-286	75 - 125	11	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-445211/1-A
Matrix: Solid
Analysis Batch: 445375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		08/31/23 11:25	09/01/23 12:05	1

Lab Sample ID: LCS 180-445211/2-A
Matrix: Solid
Analysis Batch: 445375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445211

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.382		mg/Kg		92	80 - 120		

Lab Sample ID: 180-161584-9 MS
Matrix: Solid
Analysis Batch: 445375

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445211

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.34	F1	0.216	0.620	F1	mg/Kg	☼	130	80 - 120		

Lab Sample ID: 180-161584-9 MSD
Matrix: Solid
Analysis Batch: 445375

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA
Prep Batch: 445211

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.34	F1	0.216	0.641	F1	mg/Kg	☼	140	80 - 120	3	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-161584-9 DU
Matrix: Solid
Analysis Batch: 445419

Client Sample ID: SSHS-IRM5A2-A8PH3-S38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	24.0			23.0		%				4	10
Percent Solids	76.0			77.0		%				1	10

Lab Sample ID: 180-161584-19 DU
Matrix: Solid
Analysis Batch: 445419

Client Sample ID: SSHS-IRM5A2-A8PH3-B20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	21.3			19.5		%				9	10
Percent Solids	78.7			80.5		%				2	10

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 445222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	EPA 8260C	445247
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	EPA 8260C	445247
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	EPA 8260C	445247
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	EPA 8260C	445247
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	EPA 8260C	445247
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	EPA 8260C	445247
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	EPA 8260C	445247
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	EPA 8260C	445247
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8260C	445247
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	EPA 8260C	445247
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	EPA 8260C	445247
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	EPA 8260C	445247
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	EPA 8260C	445247
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	EPA 8260C	445247
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	EPA 8260C	445247
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	EPA 8260C	445247
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	EPA 8260C	445247
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	EPA 8260C	445247
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	EPA 8260C	445247
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	EPA 8260C	445247
MB 180-445222/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-445222/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8260C	445247
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8260C	445247

Prep Batch: 445247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	5035	
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	5035	
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	5035	
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	5035	
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	5035	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	5035	
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	5035	
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	5035	
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	5035	
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	5035	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	5035	
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	5035	
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	5035	
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	5035	
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	5035	
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	5035	
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	5035	
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	5035	
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	5035	
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	5035	
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	5035	
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 446056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	3541	
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	3541	
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	3541	
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	3541	
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	3541	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	3541	
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	3541	
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	3541	
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3541	
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	3541	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	3541	
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	3541	
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	3541	
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	3541	
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	3541	
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	3541	
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	3541	
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	3541	
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	3541	
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	3541	
MB 180-446056/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-446056/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3541	
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3541	

Analysis Batch: 446166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	EPA 8270D	446056
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	EPA 8270D	446056
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	EPA 8270D	446056
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	EPA 8270D	446056
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	EPA 8270D	446056
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	EPA 8270D	446056
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	EPA 8270D	446056
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	EPA 8270D	446056
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8270D	446056
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	EPA 8270D	446056
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	EPA 8270D	446056
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	EPA 8270D	446056
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	EPA 8270D	446056
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	EPA 8270D	446056
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	EPA 8270D	446056
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	EPA 8270D	446056
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	EPA 8270D	446056
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	EPA 8270D	446056
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	EPA 8270D	446056
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	EPA 8270D	446056
MB 180-446056/1-A	Method Blank	Total/NA	Solid	EPA 8270D	446056
LCS 180-446056/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	446056
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8270D	446056
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8270D	446056

GC Semi VOA

Prep Batch: 446119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	3541	
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	3541	
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	3541	
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	3541	
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	3541	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	3541	
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	3541	
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	3541	
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3541	
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	3541	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	3541	
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	3541	
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	3541	
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	3541	
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	3541	
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	3541	
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	3541	
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	3541	
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	3541	
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	3541	
MB 180-446119/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-446119/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3541	
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3541	

Cleanup Batch: 446148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	3665A	446119
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	3665A	446119
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	3665A	446119
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	3665A	446119
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	3665A	446119
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	3665A	446119
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	3665A	446119
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	3665A	446119
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3665A	446119
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	3665A	446119
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	3665A	446119
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	3665A	446119
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	3665A	446119
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	3665A	446119
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	3665A	446119
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	3665A	446119
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	3665A	446119
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	3665A	446119
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	3665A	446119
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	3665A	446119
MB 180-446119/1-C	Method Blank	Total/NA	Solid	3665A	446119
LCS 180-446119/2-C	Lab Control Sample	Total/NA	Solid	3665A	446119
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3665A	446119
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3665A	446119

GC Semi VOA

Cleanup Batch: 446149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	3660B	446148
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	3660B	446148
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	3660B	446148
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	3660B	446148
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	3660B	446148
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	3660B	446148
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	3660B	446148
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	3660B	446148
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3660B	446148
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	3660B	446148
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	3660B	446148
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	3660B	446148
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	3660B	446148
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	3660B	446148
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	3660B	446148
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	3660B	446148
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	3660B	446148
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	3660B	446148
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	3660B	446148
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	3660B	446148
MB 180-446119/1-C	Method Blank	Total/NA	Solid	3660B	446148
LCS 180-446119/2-C	Lab Control Sample	Total/NA	Solid	3660B	446148
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3660B	446148
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3660B	446148

Analysis Batch: 446155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	EPA 8082A	446149
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	EPA 8082A	446149
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	EPA 8082A	446149
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	EPA 8082A	446149
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	EPA 8082A	446149
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	EPA 8082A	446149
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	EPA 8082A	446149
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	EPA 8082A	446149
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8082A	446149
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	EPA 8082A	446149
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	EPA 8082A	446149
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	EPA 8082A	446149
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	EPA 8082A	446149
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	EPA 8082A	446149
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	EPA 8082A	446149
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	EPA 8082A	446149
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	EPA 8082A	446149
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	EPA 8082A	446149
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	EPA 8082A	446149
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	EPA 8082A	446149
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8082A	446149
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 8082A	446149

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

GC Semi VOA

Analysis Batch: 446298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-446119/1-C	Method Blank	Total/NA	Solid	EPA 8082A	446149
LCS 180-446119/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	446149

Metals

Prep Batch: 445187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	3050B	
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	3050B	
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	3050B	
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	3050B	
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	3050B	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	3050B	
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	3050B	
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	3050B	
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	3050B	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	3050B	
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	3050B	
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	3050B	
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	3050B	
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	3050B	
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	3050B	
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	3050B	
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	3050B	
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	3050B	
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	3050B	
MB 180-445187/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-445187/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 445211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	7471B	
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	7471B	
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	7471B	
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	7471B	
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	7471B	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	7471B	
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	7471B	
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	7471B	
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	7471B	
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	7471B	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	7471B	
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	7471B	
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	7471B	
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	7471B	
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	7471B	
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	7471B	
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	7471B	
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	7471B	
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	7471B	
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 445211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-445211/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-445211/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	7471B	
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	7471B	

Analysis Batch: 445375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	EPA 7471B	445211
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	EPA 7471B	445211
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	EPA 7471B	445211
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	EPA 7471B	445211
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	EPA 7471B	445211
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	EPA 7471B	445211
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	EPA 7471B	445211
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	EPA 7471B	445211
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 7471B	445211
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	EPA 7471B	445211
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	EPA 7471B	445211
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	EPA 7471B	445211
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	EPA 7471B	445211
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	EPA 7471B	445211
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	EPA 7471B	445211
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	EPA 7471B	445211
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	EPA 7471B	445211
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	EPA 7471B	445211
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	EPA 7471B	445211
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	EPA 7471B	445211
MB 180-445211/1-A	Method Blank	Total/NA	Solid	EPA 7471B	445211
LCS 180-445211/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	445211
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 7471B	445211
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 7471B	445211

Analysis Batch: 448054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	EPA 6010C	445187
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	EPA 6010C	445187
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	EPA 6010C	445187
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	EPA 6010C	445187
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	EPA 6010C	445187
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	EPA 6010C	445187
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	EPA 6010C	445187
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	EPA 6010C	445187
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	EPA 6010C	445187
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	EPA 6010C	445187
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	EPA 6010C	445187
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	EPA 6010C	445187
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	EPA 6010C	445187
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	EPA 6010C	445187
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	EPA 6010C	445187

Metals

Prep Batch: 448341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3050B	
MB 180-448341/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-448341/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3050B	
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	3050B	

Analysis Batch: 448421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	EPA 6010C	445187
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	EPA 6010C	445187
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	EPA 6010C	445187
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	EPA 6010C	445187
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	EPA 6010C	445187
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	EPA 6010C	445187
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	EPA 6010C	445187
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	EPA 6010C	445187
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	EPA 6010C	445187
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	EPA 6010C	445187
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	EPA 6010C	445187
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	EPA 6010C	445187
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	EPA 6010C	445187
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	EPA 6010C	445187
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	EPA 6010C	445187
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	EPA 6010C	445187
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	EPA 6010C	445187
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	EPA 6010C	445187
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	EPA 6010C	445187
MB 180-445187/1-A	Method Blank	Total/NA	Solid	EPA 6010C	445187
LCS 180-445187/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	445187

Analysis Batch: 448513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 6010C	448341
MB 180-448341/1-A	Method Blank	Total/NA	Solid	EPA 6010C	448341
LCS 180-448341/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	448341
180-161584-9 MS	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 6010C	448341
180-161584-9 MSD	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	EPA 6010C	448341

General Chemistry

Analysis Batch: 445386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-1	SSHS-IRM5A2-A8PH3-S31	Total/NA	Solid	2540G	
180-161584-2	SSHS-IRM5A2-A8PH3-S32	Total/NA	Solid	2540G	
180-161584-3	SSHS-IRM5A2-A8PH3-S33	Total/NA	Solid	2540G	
180-161584-4	SSHS-IRM5A2-A8PH3-S34	Total/NA	Solid	2540G	
180-161584-5	SSHS-IRM5A2-DUP313A	Total/NA	Solid	2540G	
180-161584-6	SSHS-IRM5A2-A8PH3-S35	Total/NA	Solid	2540G	
180-161584-7	SSHS-IRM5A2-A8PH3-S36	Total/NA	Solid	2540G	
180-161584-8	SSHS-IRM5A2-A8PH3-S37	Total/NA	Solid	2540G	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-1
Project/Site: Former Sperry Remington-Documentation

General Chemistry

Analysis Batch: 445419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-9	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	2540G	
180-161584-10	SSHS-IRM5A2-A8PH3-S39	Total/NA	Solid	2540G	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Total/NA	Solid	2540G	
180-161584-12	SSHS-IRM5A2-A8PH3-S41	Total/NA	Solid	2540G	
180-161584-13	SSHS-IRM5A2-A8PH3-S42	Total/NA	Solid	2540G	
180-161584-14	SSHS-IRM5A2-A8PH3-S43	Total/NA	Solid	2540G	
180-161584-15	SSHS-IRM5A2-A8PH3-S44	Total/NA	Solid	2540G	
180-161584-16	SSHS-IRM5A2-DUP314	Total/NA	Solid	2540G	
180-161584-17	SSHS-IRM5A2-A8PH3-B18	Total/NA	Solid	2540G	
180-161584-18	SSHS-IRM5A2-A8PH3-B19	Total/NA	Solid	2540G	
180-161584-19	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	2540G	
180-161584-20	SSHS-IRM5A2-A8PH3-B21	Total/NA	Solid	2540G	
180-161584-9 DU	SSHS-IRM5A2-A8PH3-S38	Total/NA	Solid	2540G	
180-161584-19 DU	SSHS-IRM5A2-A8PH3-B20	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC1

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Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S31	8/29/23	1300	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S32	8/29/23	1305	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S33	8/29/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S34	8/29/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP313	8/29/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S35	8/29/23	1320	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S36	8/29/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S37	8/29/23	1330	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S38	8/29/23	1335	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-A8PH3-S39	8/29/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S40	8/29/23	1345	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S41	8/29/23	1350	G	S	N	N	X	X	X	X			6	

180-161584 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 09:55	EPITNE
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

Ver 01/16/2019

10/9/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): STANDARD
State, Zip: MD, 21044	PO #: MN0832I
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	Project #: 18013464
Project Name: Former Sperry Remington Site	SSOW#:
Site:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S42	8/29/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S43	8/29/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S44	8/29/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP314	8/29/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B18	8/29/23	1410	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-A8PH3-B19	8/29/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B20	8/29/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B21	8/29/23	1425	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by:	Date/Time: 8/30/23 09.55	Company: EPIANE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

10/9/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC1

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Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-161584 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S31	8/29/23	1300	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S32	8/29/23	1305	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S33	8/29/23	1310	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S34	8/29/23	1315	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP313	8/29/23		G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S35	8/29/23	1320	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S36	8/29/23	1325	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S37	8/29/23	1330	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S38	8/29/23	1335	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-A8PH3-S39	8/29/23	1340	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S40	8/29/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S41	8/29/23	1350	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	8/29/23 18:00	Company: Geosyntec		8/30/23 1005	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S42	8/29/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S43	8/29/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S44	8/29/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP314	8/29/23		G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B18	8/29/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B19	8/29/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B20	8/29/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B21	8/29/23	1425	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 1015	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver: 01/16/2019

eurofins

Sacramento Sample
Receiving Notes (SSRN)

Loc 180
161584

Tracking # 7732 2651 7455

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID: 102 Corr Factor (+/-) _____°C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed 2.4 °C Corrected: 2.4 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MM Date: 8/30/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MM Date: 8-30-23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: MM Date: 8-30-23

WR3 27A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161584-1

Login Number: 161584
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/9/2023 3:41:08 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161584-3

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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10/9/2023 3:41:08 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-161584-3

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161584-3

Comments
The SPLP leaching for PFAS for sample SSHS-IRM5A2-A8PH3-S40 (180-161584-11) was activated on 9/12/23.

Receipt
The samples were received on 8/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.2º C, 2.4º C, 2.4º C, 2.4º C, 3.1º C, 3.3º C and 3.6º C.

LCMS
Method 537 (modified): Perfluorooctanesulfonic acid (PFOS) was detected above the reporting limit (RL) in the SPLP leachate blank, (LB 320-705354/1-B) associated with SPLP preparation batch 320-705354. Aliquots of the SPLP leachate blank and the SPLP leachate of sample SSHS-IRM5A2-A8PH3-S40 (180-161584-11) were re-extracted for PFAS 5 days past the 14 day holding time on 10/2/23. Results of both the original and re-extractions were reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161584-11	SSHS-IRM5A2-A8PH3-S40	Solid	08/29/23 13:45	08/30/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
1312	SPLP Extraction	SW846	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11

Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			100.17 g	2000 mL	705354	09/12/23 16:10	GSH	EET SAC
SPLP East	Prep	3535			279.8 mL	10.0 mL	707911	09/21/23 05:44	RLT	EET SAC
SPLP East	Analysis	537 (modified)		1	1 mL	1 mL	709153	09/27/23 14:35	C1P	EET SAC
	Instrument ID: A15									
SPLP East	Leach	1312	RE		100.17 g	2000 mL	705354	09/12/23 16:10	GSH	EET SAC
SPLP East	Prep	3535	RE		257.4 mL	10.0 mL	710318	10/02/23 12:00	BLR	EET SAC
SPLP East	Analysis	537 (modified)	RE	1	1 mL	1 mL	710571	10/04/23 09:25	KCO	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Leach

GSH = Greg Harry

Batch Type: Prep

BLR = Blanca Lopez Rojas

RLT = Rachel Tanberg

Batch Type: Analysis

C1P = Chawaporn Photiboon

KCO = Kum Chul Oh

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11

Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.3**	**J**	4.5	2.1	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluoropentanoic acid (PFPeA)	**1.6**	**J**	1.8	0.44	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorohexanoic acid (PFHxA)	**2.6**		1.8	0.52	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluoroheptanoic acid (PFHpA)	**2.6**		1.8	0.22	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorooctanoic acid (PFOA)	**14**		1.8	0.76	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorononanoic acid (PFNA)	**2.5**		1.8	0.24	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorodecanoic acid (PFDA)	**0.64**	**J**	1.8	0.28	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.98	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.49	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.65	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.18	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.51	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.17	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorooctanesulfonic acid (PFOS)	**96**	**B**	1.8	0.48	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		09/21/23 05:44	09/27/23 14:35	1
Perfluorooctanesulfonamide (FOSA)	**1.2**	**J**	1.8	0.88	ng/L		09/21/23 05:44	09/27/23 14:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	1.1	ng/L		09/21/23 05:44	09/27/23 14:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	1.2	ng/L		09/21/23 05:44	09/27/23 14:35	1
6:2 FTS	ND		4.5	2.2	ng/L		09/21/23 05:44	09/27/23 14:35	1
8:2 FTS	ND		1.8	0.41	ng/L		09/21/23 05:44	09/27/23 14:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C5 PFPeA	*84*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C2 PFHxA	*89*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C4 PFHpA	*93*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C4 PFOA	*93*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C5 PFNA	*98*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C2 PFDA	*87*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C2 PFUnA	*78*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C2 PFDoA	*65*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C2 PFTeDA	*50*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C3 PFBS	*85*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
18O2 PFHxS	*94*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C4 PFOS	*105*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
13C8 FOSA	*89*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:35*	*1*

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - SPLP East - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.0**	**J H**	4.9	2.3	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluoropentanoic acid (PFPeA)	**1.8**	**J H**	1.9	0.48	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorohexanoic acid (PFHxA)	**1.9**	**H**	1.9	0.56	ng/L		10/02/23 12:00	10/04/23 09:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S40
Lab Sample ID: 180-161584-11
Date Collected: 08/29/23 13:45
Matrix: Solid
Date Received: 08/30/23 09:55

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - SPLP East - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	**2.5**	**H**	1.9	0.24	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorooctanoic acid (PFOA)	**14**	**H**	1.9	0.83	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorononanoic acid (PFNA)	**2.5**	**H**	1.9	0.26	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorodecanoic acid (PFDA)	**0.59**	**J H**	1.9	0.30	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluoroundecanoic acid (PFUnA)	ND	H	1.9	1.1	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorododecanoic acid (PFDoA)	ND	H	1.9	0.53	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorotridecanoic acid (PFTriA)	ND	H	1.9	1.3	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorotetradecanoic acid (PFTeA)	ND	H	1.9	0.71	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorobutanesulfonic acid (PFBS)	ND	H	1.9	0.19	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND	H	1.9	0.55	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	H	1.9	0.18	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorooctanesulfonic acid (PFOS)	**96**	**H B**	1.9	0.52	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorodecanesulfonic acid (PFDS)	ND	H	1.9	0.31	ng/L		10/02/23 12:00	10/04/23 09:25	1
Perfluorooctanesulfonamide (FOSA)	**1.0**	**J H**	1.9	0.95	ng/L		10/02/23 12:00	10/04/23 09:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	H	4.9	1.2	ng/L		10/02/23 12:00	10/04/23 09:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	H	4.9	1.3	ng/L		10/02/23 12:00	10/04/23 09:25	1
6:2 FTS	ND	H	4.9	2.4	ng/L		10/02/23 12:00	10/04/23 09:25	1
8:2 FTS	ND	H	1.9	0.45	ng/L		10/02/23 12:00	10/04/23 09:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C5 PFPeA	*62*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C2 PFHxA	*70*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C4 PFHpA	*70*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C4 PFOA	*75*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C5 PFNA	*74*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C2 PFDA	*66*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C2 PFUnA	*56*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C2 PFDoA	*43*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C2 PFTeDA	*33*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C3 PFBS	*72*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
18O2 PFHxS	*76*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C4 PFOS	*78*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
13C8 FOSA	*77*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
d5-NEtFOSAA	*66*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
M2-6:2 FTS	*60*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*
M2-8:2 FTS	*72*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:25*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-707911/1-A
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 707911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0	2.4	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.73	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.57	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.19	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		09/21/23 05:44	09/27/23 13:51	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.98	ng/L		09/21/23 05:44	09/27/23 13:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	1.2	ng/L		09/21/23 05:44	09/27/23 13:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	1.3	ng/L		09/21/23 05:44	09/27/23 13:51	1
6:2 FTS	ND		5.0	2.5	ng/L		09/21/23 05:44	09/27/23 13:51	1
8:2 FTS	ND		2.0	0.46	ng/L		09/21/23 05:44	09/27/23 13:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*109*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C5 PFPeA	*107*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C2 PFHxA	*113*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C4 PFHpA	*109*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C4 PFOA	*111*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C5 PFNA	*116*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C2 PFDA	*118*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C2 PFUnA	*106*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C2 PFDoA	*107*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C3 PFBS	*102*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
18O2 PFHxS	*113*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C4 PFOS	*122*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
13C8 FOSA	*113*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
d3-NMeFOSAA	*112*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*09/21/23 05:44*	*09/27/23 13:51*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-707911/2-A
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	38.9		ng/L		97	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	39.6		ng/L		99	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	41.0		ng/L		103	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	42.2		ng/L		106	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	39.0		ng/L		98	70 - 130
Perfluorononanoic acid (PFNA)	40.0	40.0		ng/L		100	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	44.4		ng/L		111	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	39.6		ng/L		99	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	42.9		ng/L		107	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	36.4		ng/L		91	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	41.7		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.5	38.0		ng/L		107	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.4		ng/L		100	59 - 119
Perfluoroheptanesulfonic acid (PFHpS)	38.2	41.0		ng/L		107	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.2	37.0		ng/L		99	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	36.8		ng/L		95	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	40.8		ng/L		102	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	40.6		ng/L		102	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	41.3		ng/L		103	76 - 136
6:2 FTS	38.1	41.1		ng/L		108	59 - 175
8:2 FTS	38.4	41.3		ng/L		108	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*106*		*25 - 150*
13C5 PFPeA	*108*		*25 - 150*
13C2 PFHxA	*102*		*25 - 150*
13C4 PFHpA	*102*		*25 - 150*
13C4 PFOA	*112*		*25 - 150*
13C5 PFNA	*106*		*25 - 150*
13C2 PFDA	*107*		*25 - 150*
13C2 PFUnA	*102*		*25 - 150*
13C2 PFDoA	*105*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*107*		*25 - 150*
18O2 PFHxS	*111*		*25 - 150*
13C4 PFOS	*112*		*25 - 150*
13C8 FOSA	*107*		*25 - 150*
d3-NMeFOSAA	*100*		*25 - 150*
d5-NEtFOSAA	*111*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-707911/2-A
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 707911

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	93		25 - 150
M2-8:2 FTS	97		25 - 150

Lab Sample ID: LCSD 320-707911/3-A
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707911

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	37.7		ng/L		94	76 - 136	3	30
Perfluoropentanoic acid (PFPeA)			40.0	39.0		ng/L		97	71 - 131	2	30
Perfluorohexanoic acid (PFHxA)			40.0	39.8		ng/L		99	73 - 133	3	30
Perfluoroheptanoic acid (PFHpA)			40.0	40.3		ng/L		101	72 - 132	5	30
Perfluorooctanoic acid (PFOA)			40.0	39.2		ng/L		98	70 - 130	0	30
Perfluorononanoic acid (PFNA)			40.0	40.6		ng/L		102	75 - 135	2	30
Perfluorodecanoic acid (PFDA)			40.0	41.2		ng/L		103	76 - 136	7	30
Perfluoroundecanoic acid (PFUnA)			40.0	39.1		ng/L		98	68 - 128	1	30
Perfluorododecanoic acid (PFDoA)			40.0	39.5		ng/L		99	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)			40.0	37.7		ng/L		94	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)			40.0	44.2		ng/L		110	70 - 130	6	30
Perfluorobutanesulfonic acid (PFBS)			35.5	36.4		ng/L		103	67 - 127	4	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	35.5		ng/L		97	59 - 119	3	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	36.7		ng/L		96	76 - 136	11	30
Perfluorooctanesulfonic acid (PFOS)			37.2	34.7		ng/L		93	70 - 130	6	30
Perfluorodecanesulfonic acid (PFDS)			38.6	32.5		ng/L		84	71 - 131	12	30
Perfluorooctanesulfonamide (FOSA)			40.0	42.1		ng/L		105	73 - 133	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	40.9		ng/L		102	76 - 136	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	41.7		ng/L		104	76 - 136	1	30
6:2 FTS			38.1	41.9		ng/L		110	59 - 175	2	30
8:2 FTS			38.4	40.5		ng/L		105	75 - 135	2	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	112		25 - 150
13C5 PFPeA	108		25 - 150
13C2 PFHxA	114		25 - 150
13C4 PFHpA	111		25 - 150
13C4 PFOA	111		25 - 150
13C5 PFNA	114		25 - 150
13C2 PFDA	112		25 - 150
13C2 PFUnA	105		25 - 150
13C2 PFDoA	110		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-707911/3-A
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 707911

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	95		25 - 150
13C3 PFBS	105		25 - 150
18O2 PFHxS	117		25 - 150
13C4 PFOS	125		25 - 150
13C8 FOSA	103		25 - 150
d3-NMeFOSAA	106		25 - 150
d5-NEtFOSAA	115		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	106		25 - 150

Lab Sample ID: MB 320-710318/1-A
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 710318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0	2.4	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.73	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.57	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.19	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		10/02/23 12:00	10/04/23 07:01	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.98	ng/L		10/02/23 12:00	10/04/23 07:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	1.2	ng/L		10/02/23 12:00	10/04/23 07:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	1.3	ng/L		10/02/23 12:00	10/04/23 07:01	1
6:2 FTS	ND		5.0	2.5	ng/L		10/02/23 12:00	10/04/23 07:01	1
8:2 FTS	ND		2.0	0.46	ng/L		10/02/23 12:00	10/04/23 07:01	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C5 PFPeA	81		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C2 PFHxA	88		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C4 PFHpA	89		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C4 PFOA	95		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C5 PFNA	93		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C2 PFDA	93		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C2 PFUnA	92		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C2 PFDoA	97		25 - 150	10/02/23 12:00	10/04/23 07:01	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-710318/1-A
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 710318

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	99		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C3 PFBS	91		25 - 150	10/02/23 12:00	10/04/23 07:01	1
18O2 PFHxS	97		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C4 PFOS	96		25 - 150	10/02/23 12:00	10/04/23 07:01	1
13C8 FOSA	101		25 - 150	10/02/23 12:00	10/04/23 07:01	1
d3-NMeFOSAA	101		25 - 150	10/02/23 12:00	10/04/23 07:01	1
d5-NEtFOSAA	109		25 - 150	10/02/23 12:00	10/04/23 07:01	1
M2-6:2 FTS	78		25 - 150	10/02/23 12:00	10/04/23 07:01	1
M2-8:2 FTS	93		25 - 150	10/02/23 12:00	10/04/23 07:01	1

Lab Sample ID: LCS 320-710318/2-A
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 710318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	41.8		ng/L		104	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	45.8		ng/L		115	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	42.7		ng/L		107	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	46.3		ng/L		116	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	41.4		ng/L		103	70 - 130
Perfluorononanoic acid (PFNA)	40.0	46.1		ng/L		115	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	47.6		ng/L		119	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	43.4		ng/L		108	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	44.1		ng/L		110	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	39.9		ng/L		100	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	42.1		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.5	36.0		ng/L		101	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.5	38.7		ng/L		106	59 - 119
Perfluoroheptanesulfonic acid (PFHpS)	38.2	43.4		ng/L		114	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.2	39.1		ng/L		105	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	39.5		ng/L		102	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	41.5		ng/L		104	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	40.6		ng/L		102	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	45.8		ng/L		115	76 - 136
6:2 FTS	38.1	51.8		ng/L		136	59 - 175
8:2 FTS	38.4	43.9		ng/L		114	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	81		25 - 150
13C5 PFPeA	73		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-710318/2-A
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 710318

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	80		25 - 150
13C4 PFHpA	74		25 - 150
13C4 PFOA	83		25 - 150
13C5 PFNA	80		25 - 150
13C2 PFDA	81		25 - 150
13C2 PFUnA	81		25 - 150
13C2 PFDoA	88		25 - 150
13C2 PFTeDA	83		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	84		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	83		25 - 150
d3-NMeFOSAA	83		25 - 150
d5-NEtFOSAA	94		25 - 150
M2-6:2 FTS	69		25 - 150
M2-8:2 FTS	80		25 - 150

Lab Sample ID: LCSD 320-710318/3-A
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 710318

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	39.6		ng/L		99	76 - 136	5	30
Perfluoropentanoic acid (PFPeA)			40.0	43.4		ng/L		108	71 - 131	6	30
Perfluorohexanoic acid (PFHxA)			40.0	41.7		ng/L		104	73 - 133	2	30
Perfluoroheptanoic acid (PFHpA)			40.0	44.3		ng/L		111	72 - 132	4	30
Perfluorooctanoic acid (PFOA)			40.0	40.4		ng/L		101	70 - 130	2	30
Perfluorononanoic acid (PFNA)			40.0	45.6		ng/L		114	75 - 135	1	30
Perfluorodecanoic acid (PFDA)			40.0	47.0		ng/L		117	76 - 136	1	30
Perfluoroundecanoic acid (PFUnA)			40.0	45.6		ng/L		114	68 - 128	5	30
Perfluorododecanoic acid (PFDoA)			40.0	42.5		ng/L		106	71 - 131	4	30
Perfluorotridecanoic acid (PFTriA)			40.0	41.1		ng/L		103	71 - 131	3	30
Perfluorotetradecanoic acid (PFTeA)			40.0	42.3		ng/L		106	70 - 130	1	30
Perfluorobutanesulfonic acid (PFBS)			35.5	35.9		ng/L		101	67 - 127	0	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	35.5		ng/L		97	59 - 119	9	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	42.2		ng/L		111	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)			37.2	36.6		ng/L		98	70 - 130	7	30
Perfluorodecanesulfonic acid (PFDS)			38.6	39.9		ng/L		104	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)			40.0	40.4		ng/L		101	73 - 133	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	41.9		ng/L		105	76 - 136	3	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-710318/3-A
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 710318

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	47.7		ng/L		119	76 - 136	4	30
6:2 FTS			38.1	43.6		ng/L		114	59 - 175	17	30
8:2 FTS			38.4	39.5		ng/L		103	75 - 135	10	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*93*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*
13C4 PFOA	*96*		*25 - 150*
13C5 PFNA	*93*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*90*		*25 - 150*
13C2 PFDoA	*102*		*25 - 150*
13C2 PFTeDA	*99*		*25 - 150*
13C3 PFBS	*92*		*25 - 150*
18O2 PFHxS	*97*		*25 - 150*
13C4 PFOS	*96*		*25 - 150*
13C8 FOSA	*97*		*25 - 150*
d3-NMeFOSAA	*97*		*25 - 150*
d5-NEtFOSAA	*107*		*25 - 150*
M2-6:2 FTS	*83*		*25 - 150*
M2-8:2 FTS	*94*		*25 - 150*

Lab Sample ID: LB 320-705354/1-B
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 707911

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.9	2.3	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.48	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.57	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.24	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.83	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.26	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.30	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.71	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.56	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.19	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorooctanesulfonic acid (PFOS)	2.69		2.0	0.53	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.31	ng/L		09/21/23 05:44	09/27/23 14:25	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.96	ng/L		09/21/23 05:44	09/27/23 14:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.9	1.2	ng/L		09/21/23 05:44	09/27/23 14:25	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LB 320-705354/1-B
Matrix: Solid
Analysis Batch: 709153

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 707911

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.9	1.3	ng/L		09/21/23 05:44	09/27/23 14:25	1
6:2 FTS	ND		4.9	2.4	ng/L		09/21/23 05:44	09/27/23 14:25	1
8:2 FTS	ND		2.0	0.45	ng/L		09/21/23 05:44	09/27/23 14:25	1

Isotope Dilution	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*115*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C5 PFPeA	*110*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C2 PFHxA	*112*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C4 PFHpA	*111*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C4 PFOA	*114*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C5 PFNA	*117*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C2 PFDA	*108*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C2 PFUnA	*92*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C2 PFDoA	*87*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C3 PFBS	*106*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
18O2 PFHxS	*121*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C4 PFOS	*122*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
13C8 FOSA	*99*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*09/21/23 05:44*	*09/27/23 14:25*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances - RE

Lab Sample ID: LB 320-705354/1-C
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 710318

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA) - RE	ND		5.0	2.4	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluoropentanoic acid (PFPeA) - RE	ND		2.0	0.49	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorohexanoic acid (PFHxA) - RE	ND		2.0	0.58	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluoroheptanoic acid (PFHpA) - RE	ND		2.0	0.25	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorooctanoic acid (PFOA) - RE	ND		2.0	0.86	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorononanoic acid (PFNA) - RE	ND		2.0	0.27	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorodecanoic acid (PFDA) - RE	ND		2.0	0.31	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluoroundecanoic acid (PFUnA) - RE	ND		2.0	1.1	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorododecanoic acid (PFDoA) - RE	ND		2.0	0.55	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorotridecanoic acid (PFTriA) - RE	ND		2.0	1.3	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorotetradecanoic acid (PFTeA) - RE	ND		2.0	0.73	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorobutanesulfonic acid (PFBS) - RE	ND		2.0	0.20	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorohexanesulfonic acid (PFHxS) - RE	ND		2.0	0.57	ng/L		10/02/23 12:00	10/04/23 09:05	1

Method: 537 (modified) - Fluorinated Alkyl Substances - RE (Continued)

Lab Sample ID: LB 320-705354/1-C
Matrix: Solid
Analysis Batch: 710571

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 710318

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS) - RE	ND		2.0	0.19	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorooctanesulfonic acid (PFOS) - RE	3.30		2.0	0.54	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorodecanesulfonic acid (PFDS) - RE	ND		2.0	0.32	ng/L		10/02/23 12:00	10/04/23 09:05	1
Perfluorooctanesulfonamide (FOSA) - RE	ND		2.0	0.99	ng/L		10/02/23 12:00	10/04/23 09:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) - RE	ND		5.0	1.2	ng/L		10/02/23 12:00	10/04/23 09:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) - RE	ND		5.0	1.3	ng/L		10/02/23 12:00	10/04/23 09:05	1
6:2 FTS - RE	ND		5.0	2.5	ng/L		10/02/23 12:00	10/04/23 09:05	1
8:2 FTS - RE	ND		2.0	0.46	ng/L		10/02/23 12:00	10/04/23 09:05	1

Isotope Dilution	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA - RE	*86*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C5 PFPeA - RE	*78*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C2 PFHxA - RE	*87*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C4 PFHpA - RE	*84*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C4 PFOA - RE	*90*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C5 PFNA - RE	*88*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C2 PFDA - RE	*84*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C2 PFUnA - RE	*87*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C2 PFDoA - RE	*80*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C2 PFTeDA - RE	*83*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C3 PFBS - RE	*84*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
18O2 PFHxS - RE	*87*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C4 PFOS - RE	*93*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
13C8 FOSA - RE	*91*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
d3-NMeFOSAA - RE	*99*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
d5-NEtFOSAA - RE	*99*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
M2-6:2 FTS - RE	*75*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*
M2-8:2 FTS - RE	*85*		*25 - 150*	*10/02/23 12:00*	*10/04/23 09:05*	*1*

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161584-3
Project/Site: Former Sperry Remington-Documentation

LCMS

Leach Batch: 705354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-11 - RE	SSHS-IRM5A2-A8PH3-S40	SPLP East	Solid	1312	
180-161584-11	SSHS-IRM5A2-A8PH3-S40	SPLP East	Solid	1312	
LB 320-705354/1-B	Method Blank	SPLP East	Solid	1312	
LB 320-705354/1-C - RE	Method Blank	SPLP East	Solid	1312	

Prep Batch: 707911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-11	SSHS-IRM5A2-A8PH3-S40	SPLP East	Solid	3535	705354
LB 320-705354/1-B	Method Blank	SPLP East	Solid	3535	705354
MB 320-707911/1-A	Method Blank	Total/NA	Solid	3535	
LCS 320-707911/2-A	Lab Control Sample	Total/NA	Solid	3535	
LCSD 320-707911/3-A	Lab Control Sample Dup	Total/NA	Solid	3535	

Analysis Batch: 709153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-11	SSHS-IRM5A2-A8PH3-S40	SPLP East	Solid	537 (modified)	707911
LB 320-705354/1-B	Method Blank	SPLP East	Solid	537 (modified)	707911
MB 320-707911/1-A	Method Blank	Total/NA	Solid	537 (modified)	707911
LCS 320-707911/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	707911
LCSD 320-707911/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	707911

Prep Batch: 710318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-11 - RE	SSHS-IRM5A2-A8PH3-S40	SPLP East	Solid	3535	705354
LB 320-705354/1-C - RE	Method Blank	SPLP East	Solid	3535	705354
MB 320-710318/1-A	Method Blank	Total/NA	Solid	3535	
LCS 320-710318/2-A	Lab Control Sample	Total/NA	Solid	3535	
LCSD 320-710318/3-A	Lab Control Sample Dup	Total/NA	Solid	3535	

Analysis Batch: 710571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161584-11 - RE	SSHS-IRM5A2-A8PH3-S40	SPLP East	Solid	537 (modified)	710318
LB 320-705354/1-C - RE	Method Blank	SPLP East	Solid	537 (modified)	710318
MB 320-710318/1-A	Method Blank	Total/NA	Solid	537 (modified)	710318
LCS 320-710318/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	710318
LCSD 320-710318/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	710318

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S31	8/29/23	1300	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S32	8/29/23	1305	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S33	8/29/23	1310	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S34	8/29/23	1315	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP313	8/29/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S35	8/29/23	1320	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S36	8/29/23	1325	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S37	8/29/23	1330	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S38	8/29/23	1335	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-A8PH3-S39	8/29/23	1340	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S40	8/29/23	1345	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH3-S41	8/29/23	1350	G	S	N	N	X	X	X	X			6	

180-161584 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by:	Date/Time: 8/30/23 09:55	Company: EPITNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

Ver 01/16/2019

10/9/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S42	8/29/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S43	8/29/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-S44	8/29/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP314	8/29/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B18	8/29/23	1410	G	S	N	N	X	X	X	X			8	
SSHS-IRM5A2-A8PH3-B19	8/29/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B20	8/29/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH3-B21	8/29/23	1425	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	8/29/23 18:00	Geosyntec	A Ryan	8/30/23 09.55	EPITANE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832l			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-161584 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S31	8/29/23	1300	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S32	8/29/23	1305	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S33	8/29/23	1310	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S34	8/29/23	1315	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP313	8/29/23		G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S35	8/29/23	1320	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S36	8/29/23	1325	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S37	8/29/23	1330	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S38	8/29/23	1335	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-A8PH3-S39	8/29/23	1340	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S40	8/29/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S41	8/29/23	1350	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by:	Date/Time: 8/30/23 1005	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller/ A Wess	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S42	8/29/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S43	8/29/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S44	8/29/23	1405	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP314	8/29/23		G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B18	8/29/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B19	8/29/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B20	8/29/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B21	8/29/23	1425	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 1015	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver: 01/16/2019

eurofins

Sacramento Sample
Receiving Notes (SSRN)

Loc 180
161584

Tracking # 7732 2651 7455

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID: 102 Corr Factor (+/-) _____°C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed 2.4 °C Corrected: 2.4 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MM Date: 8/30/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MM Date: 8-30-23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: MM Date: 8-30-23

WR3 27A

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161584-3

Login Number: 161584
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161584-3

Login Number: 161584
List Number: 2
Creator: Medeiros, Ryan M

List Source: Eurofins Sacramento
List Creation: 08/30/23 06:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-161585-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-161585-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161585-1

Receipt
The samples were received on 8/30/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.2º C, 2.4º C, 2.4º C, 2.4º C, 3.1º C, 3.3º C and 3.6º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-445322 was above the control limits for the following analyte: Vinyl chloride. The recoveries were within the control limits.

Method 8260C: The matrix spike (MS) of sample SSHS-IRM5A2-A8PH3-B26 (180-161585-10) had the recovery of 1,1,2-Trichloro-1,2,2-trifluoroethane below the control limits and several RPDs between the spikes were also above the control limits. The recoveries of the matrix spike duplicate (MSD) and laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-445322 was below criteria for the following analytes: 1,2,4-Trichlorobenzene, 1,4-Dioxane, 2-Hexanone, 4-Methyl-2-pentanone, and Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-445322 was above criteria for the following analytes: Dichlorodifluoromethane and Chloromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The recovery of surrogate 2,4,6-Tribromophenol for the following sample was above the control limits: SSHS-IRM5A2-A8PH3-S50 (180-161585-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A8PH3-B26 (180-161585-10) had the recoveries of Benzaldehyde below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-445906 was above criteria for the following analyte: Hexachlorocyclopentadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-445930 was above criteria for the following analytes: Di-n-octyl phthalate and Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The RPDs between the matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A8PH3-B26 (180-161585-10) were above the control limits for aroclors 1016 and 1260. The recoveries were within the control limits. Spiking solution was inadvertently added to the matrix spike twice, leading the high RPDs. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated RPD values were obtained.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-446363 (CCV 180-446363/4) was below criteria for aroclor 1248 for 1 peak on column RTX-CLP1. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2

Job ID: 180-161585-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verifications (CCV) analyzed in batch 180-446363 (CCVIS 180-446363/5 and CCVIS 180-446363/26) were above criteria for aroclor 1260 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1260 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The following sample was diluted to bring the concentration of calcium within the linear range of the instrument: SSHS-IRM5A2-A8PH3-B23 (180-161585-7). Elevated reporting limits (RLs) are provided.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-A8PH3-B26 (180-161585-10) had several recoveries and the RPD between the spikes for calcium outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Solid	08/29/23 14:30	08/30/23 09:55
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Solid	08/29/23 14:35	08/30/23 09:55
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Solid	08/29/23 14:40	08/30/23 09:55
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Solid	08/29/23 14:45	08/30/23 09:55
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Solid	08/29/23 14:50	08/30/23 09:55
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Solid	08/29/23 14:55	08/30/23 09:55
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Solid	08/29/23 15:00	08/30/23 09:55
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Solid	08/29/23 15:05	08/30/23 09:55
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Solid	08/29/23 15:10	08/30/23 09:55
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Solid	08/29/23 15:15	08/30/23 09:55
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Solid	08/29/23 15:20	08/30/23 09:55
180-161585-12	SSHS-IRM5A2-DUP315	Solid	08/29/23 00:00	08/30/23 09:55
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Solid	08/29/23 15:25	08/30/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1
Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445382	09/01/23 14:56	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1
Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6178 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 15:37	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 20:15	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 14:18	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.59 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:04	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2
Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2
Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4458 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 15:59	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 20:37	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2
Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 14:36	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.66 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:09	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3
Date Collected: 08/29/23 14:40
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3
Date Collected: 08/29/23 14:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6065 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 16:21	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 20:59	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 14:55	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:14	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4
Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4
Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7923 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 16:43	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 21:20	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 15:14	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.53 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:19	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:45	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5
Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5
Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3347 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 17:05	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 21:42	VVP	EET PIT
	Instrument ID: CH732									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5
Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 15:32	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.55 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:24	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.70 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:46	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6
Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6
Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4607 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 17:27	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 22:04	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.0 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 15:51	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:30	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:47	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7
Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7
Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3365 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 17:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 22:25	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.3 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 16:10	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.61 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		5			448054	09/29/23 15:18	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.61 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:35	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:48	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7232 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 18:11	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 22:47	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.2 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 16:28	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:40	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:49	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B25
Lab Sample ID: 180-161585-9
Date Collected: 08/29/23 15:10
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B25
Lab Sample ID: 180-161585-9
Date Collected: 08/29/23 15:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.9834 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 18:33	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445930	09/08/23 19:00	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 16:47	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.76 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 20:45	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:54	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8420 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 11:27	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445906	09/08/23 19:10	VVP	EET PIT
	Instrument ID: CH732									
Total/NA	Prep	3541			15.4 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 13:22	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.58 g	50 mL	448344	10/05/23 09:53	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448513	10/05/23 16:00	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:55	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11
Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11
Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7965 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 18:56	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445930	09/08/23 19:21	VVP	EET PIT
	Instrument ID: CH733									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11

Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 17:06	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.68 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 21:05	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:58	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12

Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12

Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6279 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 19:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445930	09/08/23 19:43	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.3 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 18:02	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.70 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 21:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 12:59	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13
Date Collected: 08/29/23 15:25
Matrix: Solid
Date Received: 08/30/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			445386	09/01/23 15:18	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13
Date Collected: 08/29/23 15:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4454 g	5 mL	445352	09/01/23 07:49	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	445322	09/01/23 19:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	445863	09/08/23 06:41	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	445930	09/08/23 20:04	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.1 g	20.0 mL	446264	09/12/23 17:00	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	446351	09/13/23 09:02	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	446353	09/13/23 09:03	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	446363	09/13/23 18:20	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.81 g	50 mL	445188	08/31/23 08:00	SJM	EET PIT
Total/NA	Analysis	EPA 6010C		1			448421	10/04/23 21:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	445214	08/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			445375	09/01/23 13:00	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

DVC = Daniel Capodanno
MTW = Michael Wesoloski
PJJ = Patrick Journet
SJM = Shannon Mueller
VJC = Vincent Cervone

Batch Type: Analysis

AAS = Ariana Swick
CMC = Candace California
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1
Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**63**		24	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Cyclohexane	**3.6**	**J**	4.9	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,4-Dioxane	ND		980	74	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Methyl acetate	**14**	**J**	24	7.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Methylcyclohexane	**5.0**		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1
Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Vinyl chloride	ND	*1	4.9	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*09/01/23 07:49*	*09/01/23 15:37*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*09/01/23 07:49*	*09/01/23 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*09/01/23 07:49*	*09/01/23 15:37*	*1*
Toluene-d8 (Surr)	*75*		*67 - 134*	*09/01/23 07:49*	*09/01/23 15:37*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Acenaphthylene	ND		72	16	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Acetophenone	ND		720	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Anthracene	ND		72	19	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Atrazine	ND		720	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Benzaldehyde	ND		720	44	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Benzo[b]fluoranthene	**32**	**J**	72	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Carbazole	ND		72	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Chrysene	ND		72	40	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Dibenzofuran	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1
Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Fluoranthene	**33**	**J**	72	19	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Fluorene	ND		72	14	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Hexachloroethane	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Isophorone	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2-Methylphenol	ND		350	100	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Naphthalene	ND		72	14	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Nitrobenzene	ND		720	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Phenanthrene	ND		72	19	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Phenol	ND		350	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
Pyrene	**45**	**J**	72	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*09/08/23 06:41*	*09/08/23 20:15*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*09/08/23 06:41*	*09/08/23 20:15*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:15*	*1*
Phenol-d5 (Surr)	*72*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:15*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*09/08/23 06:41*	*09/08/23 20:15*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*	*09/08/23 06:41*	*09/08/23 20:15*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1221	ND		18	6.4	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1232	ND		18	4.4	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1242	ND		18	2.6	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1248	**110**		18	4.3	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1254	**76**		18	5.4	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1260	ND		18	5.1	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B22
Lab Sample ID: 180-161585-1

Date Collected: 08/29/23 14:30
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 90.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.3	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1
PCB-1268	ND		18	2.4	ug/Kg	☼	09/12/23 17:00	09/13/23 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*09/12/23 17:00*	*09/13/23 14:18*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*09/12/23 17:00*	*09/13/23 14:18*	*1*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*09/12/23 17:00*	*09/13/23 14:18*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*09/12/23 17:00*	*09/13/23 14:18*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	4.7	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Antimony	ND		0.93	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Arsenic	**5.2**		0.93	0.58	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Barium	**66**		19	3.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Beryllium	**0.38**		0.37	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Cadmium	**0.53**		0.47	0.068	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Calcium	**29000**		470	60	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Chromium	**12**		0.47	0.42	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Cobalt	**8.6**		4.7	0.66	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Copper	**31**		2.3	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Iron	**22000**		9.3	9.1	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Lead	**23**		0.93	0.81	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Magnesium	**7500**		470	51	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Manganese	**450**		1.4	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Nickel	**23**		3.7	0.47	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Potassium	**710**		470	79	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Selenium	ND		0.93	0.43	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Silver	ND		0.47	0.097	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Sodium	**65**	**J**	470	48	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Thallium	ND		1.9	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Vanadium	**15**		4.7	0.74	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1
Zinc	**150**		1.9	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:04	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	08/31/23 11:30	09/01/23 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.1**		0.1	0.1	%			09/01/23 14:56	1
Percent Solids (SM22 2540G)	**90.9**		0.1	0.1	%			09/01/23 14:56	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2

Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2
Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2

Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Vinyl chloride	ND	*1	5.3	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	09/01/23 07:49	09/01/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*09/01/23 07:49*	*09/01/23 15:59*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*09/01/23 07:49*	*09/01/23 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*09/01/23 07:49*	*09/01/23 15:59*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*09/01/23 07:49*	*09/01/23 15:59*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Acenaphthylene	ND		76	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Acetophenone	ND		760	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Anthracene	ND		76	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Atrazine	ND		760	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Benzaldehyde	ND		760	47	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Benzo[b]fluoranthene	**22**	**J**	76	19	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Benzo[g,h,i]perylene	**410**		76	16	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Caprolactam	ND		1900	250	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Carbazole	ND		76	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Chrysene	ND		76	42	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Dibenzofuran	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2

Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		760	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Fluoranthene	**34**	**J**	76	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Fluorene	ND		76	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Hexachloroethane	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Indeno[1,2,3-cd]pyrene	**45**	**J**	76	38	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Isophorone	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2-Methylphenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Naphthalene	ND		76	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Nitrobenzene	ND		760	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Phenanthrene	ND		76	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Phenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
Pyrene	**40**	**J**	76	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*09/08/23 06:41*	*09/08/23 20:37*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*09/08/23 06:41*	*09/08/23 20:37*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:37*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:37*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*09/08/23 06:41*	*09/08/23 20:37*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*09/08/23 06:41*	*09/08/23 20:37*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1221	ND		19	6.6	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1232	ND		19	4.6	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1242	ND		19	2.7	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1248	**86**		19	4.5	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1254	**54**		19	5.6	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1260	ND		19	5.3	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1262	ND		19	6.6	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/12/23 17:00	09/13/23 14:36	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Lab Sample ID: 180-161585-2

Date Collected: 08/29/23 14:35
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 87.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*09/12/23 17:00*	*09/13/23 14:36*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*09/12/23 17:00*	*09/13/23 14:36*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*09/12/23 17:00*	*09/13/23 14:36*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*09/12/23 17:00*	*09/13/23 14:36*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		17	4.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Antimony	ND		0.87	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Arsenic	**5.3**		0.87	0.54	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Barium	**77**		17	3.1	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Beryllium	**0.38**		0.35	0.095	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Cadmium	**0.26**	**J**	0.43	0.064	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Calcium	**1900**		430	56	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Chromium	**8.8**		0.43	0.40	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Cobalt	**4.9**		4.3	0.61	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Copper	**25**		2.2	1.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Iron	**13000**		8.7	8.5	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Lead	**100**		0.87	0.76	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Magnesium	**1700**		430	48	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Manganese	**330**		1.3	0.24	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Nickel	**12**		3.5	0.44	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Potassium	**580**		430	74	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Selenium	ND		0.87	0.40	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Silver	ND		0.43	0.090	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Sodium	**65**	**J**	430	44	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Thallium	ND		1.7	0.25	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Vanadium	**13**		4.3	0.69	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1
Zinc	**120**		1.7	1.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.069**		0.038	0.024	mg/Kg	☼	08/31/23 11:30	09/01/23 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.8**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**87.2**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3

Date Collected: 08/29/23 14:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3
Date Collected: 08/29/23 14:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Vinyl chloride	ND	*1	5.3	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:21	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3

Date Collected: 08/29/23 14:40
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 84.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*09/01/23 07:49*	*09/01/23 16:21*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/01/23 07:49*	*09/01/23 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*09/01/23 07:49*	*09/01/23 16:21*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*09/01/23 07:49*	*09/01/23 16:21*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Acenaphthylene	ND		77	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Acetophenone	ND		770	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Anthracene	ND		77	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Atrazine	ND		770	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Benzaldehyde	ND		770	48	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Benzo[a]anthracene	**51**	**J**	77	35	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Benzo[a]pyrene	**60**	**J**	77	33	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Benzo[b]fluoranthene	**73**	**J**	77	19	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Benzo[g,h,i]perylene	**55**	**J**	77	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Benzo[k]fluoranthene	**27**	**J**	77	23	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Caprolactam	ND		2000	250	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Carbazole	ND		77	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Chrysene	**63**	**J**	77	43	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Dibenzofuran	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Fluoranthene	**77**		77	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Fluorene	ND		77	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3

Date Collected: 08/29/23 14:40
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 84.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Hexachloroethane	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Indeno[1,2,3-cd]pyrene	**38**	**J**	77	38	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Isophorone	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2-Methylphenol	ND		380	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Naphthalene	ND		77	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
3-Nitroaniline	ND		2000	97	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Nitrobenzene	ND		770	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Phenanthrene	**50**	**J**	77	21	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Phenol	ND		380	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
Pyrene	**90**		77	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*44 - 105*	*09/08/23 06:41*	*09/08/23 20:59*	*1*
2-Fluorophenol (Surr)	*76*		*48 - 105*	*09/08/23 06:41*	*09/08/23 20:59*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:59*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:59*	*1*
Terphenyl-d14 (Surr)	*104*		*39 - 105*	*09/08/23 06:41*	*09/08/23 20:59*	*1*
2,4,6-Tribromophenol (Surr)	*98*		*34 - 108*	*09/08/23 06:41*	*09/08/23 20:59*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1221	ND		19	6.9	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1232	ND		19	4.7	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1248	ND		19	4.7	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1254	ND		19	5.8	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1260	ND		19	5.5	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1262	ND		19	6.8	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/12/23 17:00	09/13/23 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*63 - 138*	*09/12/23 17:00*	*09/13/23 14:55*	*1*
DCB Decachlorobiphenyl (Surr)	*129*		*63 - 138*	*09/12/23 17:00*	*09/13/23 14:55*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*09/12/23 17:00*	*09/13/23 14:55*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S46
Lab Sample ID: 180-161585-3

Date Collected: 08/29/23 14:40
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*09/12/23 17:00*	*09/13/23 14:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		20	4.9	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Antimony	ND		0.98	0.30	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Arsenic	**10**		0.98	0.62	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Barium	**97**		20	3.5	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Beryllium	**0.49**		0.39	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Cadmium	**0.79**		0.49	0.072	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Calcium	**11000**		490	64	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Chromium	**14**		0.49	0.45	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Cobalt	**7.0**		4.9	0.69	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Copper	**73**		2.5	1.5	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Iron	**29000**		9.8	9.6	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Lead	**78**		0.98	0.86	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Magnesium	**2600**		490	54	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Manganese	**580**		1.5	0.27	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Nickel	**17**		3.9	0.50	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Potassium	**1000**		490	84	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Selenium	**0.74**	**J**	0.98	0.45	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Silver	ND		0.49	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Sodium	**90**	**J**	490	50	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Thallium	ND		2.0	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Vanadium	**19**		4.9	0.78	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1
Zinc	**210**		2.0	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.035	0.022	mg/Kg	☼	08/31/23 11:30	09/01/23 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.2**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**84.8**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4

Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Benzene	ND		6.1	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Bromoform	ND		6.1	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Bromomethane	ND		6.1	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
2-Butanone (MEK)	ND		30	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Carbon disulfide	ND		6.1	4.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Carbon tetrachloride	ND		6.1	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Chlorobenzene	ND		6.1	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4
Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		6.1	3.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Chlorodibromomethane	ND		6.1	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Chloroethane	ND		6.1	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Chloroform	ND		6.1	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Chloromethane	ND		6.1	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
cis-1,2-Dichloroethene	ND		6.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
cis-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Cyclohexane	ND		6.1	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2-Dibromo-3-Chloropropane	ND		6.1	3.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2-Dibromoethane	ND		6.1	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2-Dichlorobenzene	ND		6.1	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,3-Dichlorobenzene	ND		6.1	3.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,4-Dichlorobenzene	ND		6.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Dichlorobromomethane	ND		6.1	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Dichlorodifluoromethane	ND		6.1	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,1-Dichloroethane	ND		6.1	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2-Dichloroethane	ND		6.1	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,1-Dichloroethene	ND		6.1	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2-Dichloropropane	ND		6.1	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,4-Dioxane	ND		1200	92	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Ethylbenzene	ND		6.1	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Isopropylbenzene	ND		6.1	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Methyl acetate	ND		30	8.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Methylcyclohexane	ND		6.1	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Methylene Chloride	ND		6.1	5.5	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Methyl tert-butyl ether	ND		6.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
m-Xylene & p-Xylene	ND		6.1	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
o-Xylene	ND		6.1	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Styrene	ND		6.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,1,2,2-Tetrachloroethane	ND		6.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Tetrachloroethene	ND		6.1	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Toluene	ND		6.1	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
trans-1,2-Dichloroethene	ND		6.1	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
trans-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,2,4-Trichlorobenzene	ND		6.1	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,1,1-Trichloroethane	ND		6.1	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,1,2-Trichloroethane	ND		6.1	1.2	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Trichloroethene	ND		6.1	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Trichlorofluoromethane	ND		6.1	5.0	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Vinyl chloride	ND	*1	6.1	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1
Xylenes, Total	ND		12	8.7	ug/Kg	☼	09/01/23 07:49	09/01/23 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*09/01/23 07:49*	*09/01/23 16:43*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*09/01/23 07:49*	*09/01/23 16:43*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4
Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*09/01/23 07:49*	*09/01/23 16:43*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*09/01/23 07:49*	*09/01/23 16:43*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**590**		93	27	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Acenaphthylene	**570**		93	20	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Acetophenone	ND		930	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Anthracene	**840**		93	24	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Atrazine	ND		930	200	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Benzaldehyde	ND		930	58	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Benzo[a]anthracene	**2400**		93	42	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Benzo[a]pyrene	**1900**		93	40	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Benzo[b]fluoranthene	**3000**		93	23	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Benzo[g,h,i]perylene	**1500**		93	20	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Benzo[k]fluoranthene	**1300**		93	28	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
1,1'-Biphenyl	ND		460	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Bis(2-chloroethoxy)methane	ND		460	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Bis(2-chloroethyl)ether	ND		93	17	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Bis(2-ethylhexyl) phthalate	ND		4600	490	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4-Bromophenyl phenyl ether	ND		460	200	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Butyl benzyl phthalate	ND		460	320	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Caprolactam	ND		2400	300	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Carbazole	**1100**		93	22	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4-Chloroaniline	ND		460	120	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4-Chloro-3-methylphenol	ND		460	160	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2-Chloronaphthalene	ND		93	21	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2-Chlorophenol	ND		460	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4-Chlorophenyl phenyl ether	ND		460	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Chrysene	**3700**		93	52	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Dibenz(a,h)anthracene	**420**		93	60	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Dibenzofuran	**470**		460	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
3,3'-Dichlorobenzidine	ND		460	430	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,4-Dichlorophenol	ND		93	36	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Diethyl phthalate	ND		460	160	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,4-Dimethylphenol	ND		460	160	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Dimethyl phthalate	ND		460	180	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Di-n-butyl phthalate	ND		460	200	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4,6-Dinitro-2-methylphenol	ND		2400	800	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,4-Dinitrophenol	ND		4600	2900	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,4-Dinitrotoluene	ND		460	280	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,6-Dinitrotoluene	ND		460	180	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Di-n-octyl phthalate	ND		460	270	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
1,4-Dioxane	ND		930	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Fluoranthene	**9400**		93	25	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Fluorene	**1000**		93	18	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Hexachlorobenzene	ND		93	33	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Hexachlorobutadiene	ND		93	27	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Hexachlorocyclopentadiene	ND		460	48	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4

Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		460	160	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Indeno[1,2,3-cd]pyrene	**1300**		93	46	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Isophorone	ND		460	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2-Methylnaphthalene	**270**		93	22	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2-Methylphenol	ND		460	130	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Methylphenol, 3 & 4	ND		460	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Naphthalene	**400**		93	18	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2-Nitroaniline	ND		2400	210	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
3-Nitroaniline	ND		2400	120	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4-Nitroaniline	ND		2400	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Nitrobenzene	ND		930	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2-Nitrophenol	ND		460	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
4-Nitrophenol	ND		2400	330	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
N-Nitrosodi-n-propylamine	ND		93	32	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
N-Nitrosodiphenylamine	ND		460	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,2'-oxybis[1-chloropropane]	ND		93	34	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Pentachlorophenol	ND		2400	750	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Phenanthrene	**8300**		93	25	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Phenol	ND		460	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
Pyrene	**8300**		93	22	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
1,2,4,5-Tetrachlorobenzene	ND		460	180	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,3,4,6-Tetrachlorophenol	ND		460	190	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,4,5-Trichlorophenol	ND		460	160	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1
2,4,6-Trichlorophenol	ND		460	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*09/08/23 06:41*	*09/08/23 21:20*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*09/08/23 06:41*	*09/08/23 21:20*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*09/08/23 06:41*	*09/08/23 21:20*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/08/23 06:41*	*09/08/23 21:20*	*1*
Terphenyl-d14 (Surr)	*103*		*39 - 105*	*09/08/23 06:41*	*09/08/23 21:20*	*1*
2,4,6-Tribromophenol (Surr)	*105*		*34 - 108*	*09/08/23 06:41*	*09/08/23 21:20*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	7.5	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1221	ND		23	8.2	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1232	ND		23	5.6	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1242	ND		23	3.4	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1248	**500**		23	5.5	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1254	**360**		23	6.9	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1260	ND		23	6.6	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1262	ND		23	8.1	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1
PCB-1268	ND		23	3.1	ug/Kg	☼	09/12/23 17:00	09/13/23 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*09/12/23 17:00*	*09/13/23 15:14*	*1*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*09/12/23 17:00*	*09/13/23 15:14*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*09/12/23 17:00*	*09/13/23 15:14*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*09/12/23 17:00*	*09/13/23 15:14*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S47
Lab Sample ID: 180-161585-4
Date Collected: 08/29/23 14:45
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 71.3

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		26	6.6	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Antimony	0.40	J	1.3	0.40	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Arsenic	14		1.3	0.83	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Barium	150		26	4.7	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Beryllium	0.74		0.53	0.14	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Cadmium	6.6		0.66	0.097	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Calcium	12000		660	86	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Chromium	30		0.66	0.60	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Cobalt	8.8		6.6	0.93	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Copper	130		3.3	2.0	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Iron	26000		13	13	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Lead	130		1.3	1.2	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Magnesium	4700		660	73	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Manganese	540		2.0	0.37	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Nickel	26		5.3	0.67	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Potassium	1100		660	110	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Selenium	1.5		1.3	0.61	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Silver	ND		0.66	0.14	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Sodium	100	J	660	68	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Thallium	0.57	J	2.6	0.38	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Vanadium	23		6.6	1.0	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1
Zinc	400		2.6	1.9	mg/Kg	☼	08/31/23 08:00	10/04/23 20:19	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.041	0.027	mg/Kg	☼	08/31/23 11:30	09/01/23 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	28.7		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	71.3		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5
Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Benzene	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Carbon disulfide	ND		5.6	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Chloroethane	ND		5.6	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5
Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Styrene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Toluene	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
trans-1,2-Dichloroethene	ND		5.6	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Trichloroethene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Vinyl chloride	ND	*1	5.6	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*09/01/23 07:49*	*09/01/23 17:05*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/01/23 07:49*	*09/01/23 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 135*	*09/01/23 07:49*	*09/01/23 17:05*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*09/01/23 07:49*	*09/01/23 17:05*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5

Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Acenaphthylene	ND		78	17	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Acetophenone	ND		780	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Anthracene	ND		78	20	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Atrazine	ND		780	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Benzaldehyde	ND		780	48	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Benzo[b]fluoranthene	**36**	**J**	78	19	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Benzo[g,h,i]perylene	**27**	**J**	78	17	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Caprolactam	ND		2000	250	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Carbazole	ND		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Chrysene	ND		78	43	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Dibenzofuran	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
3,3'-Dichlorobenzidine	ND		390	360	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Dimethyl phthalate	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Fluoranthene	**30**	**J**	78	21	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Fluorene	ND		78	15	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Hexachloroethane	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Isophorone	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5

Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		390	110	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Naphthalene	ND		78	15	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Nitrobenzene	ND		780	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Phenanthrene	**30**	**J**	78	21	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Phenol	ND		390	120	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
Pyrene	**35**	**J**	78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
1,2,4,5-Tetrachlorobenzene	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*09/08/23 06:41*	*09/08/23 21:42*	*1*
2-Fluorophenol (Surr)	*70*		*48 - 105*	*09/08/23 06:41*	*09/08/23 21:42*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*09/08/23 06:41*	*09/08/23 21:42*	*1*
Phenol-d5 (Surr)	*73*		*46 - 105*	*09/08/23 06:41*	*09/08/23 21:42*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 105*	*09/08/23 06:41*	*09/08/23 21:42*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*34 - 108*	*09/08/23 06:41*	*09/08/23 21:42*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1221	ND		19	6.9	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1232	ND		19	4.7	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1248	**100**		19	4.6	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1254	**61**		19	5.8	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1260	ND		19	5.5	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1262	ND		19	6.8	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/12/23 17:00	09/13/23 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*09/12/23 17:00*	*09/13/23 15:32*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*09/12/23 17:00*	*09/13/23 15:32*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*09/12/23 17:00*	*09/13/23 15:32*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*09/12/23 17:00*	*09/13/23 15:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		22	5.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Antimony	ND		1.1	0.33	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S48
Lab Sample ID: 180-161585-5
Date Collected: 08/29/23 14:50
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 84.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		1.1	0.68	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Barium	96		22	3.8	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Beryllium	0.55		0.43	0.12	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Cadmium	3.6		0.54	0.079	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Calcium	3500		540	70	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Chromium	11		0.54	0.49	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Cobalt	9.4		5.4	0.76	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Copper	53		2.7	1.6	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Iron	20000		11	10	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Lead	96		1.1	0.94	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Magnesium	2600		540	59	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Manganese	560		1.6	0.30	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Nickel	20		4.3	0.54	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Potassium	760		540	92	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Selenium	0.82	J	1.1	0.50	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Silver	ND		0.54	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Sodium	76	J	540	55	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Thallium	ND		2.2	0.31	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Vanadium	22		5.4	0.85	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1
Zinc	890		2.2	1.6	mg/Kg	☼	08/31/23 08:00	10/04/23 20:24	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.079		0.034	0.022	mg/Kg	☼	08/31/23 11:30	09/01/23 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.6		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	84.4		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6
Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Benzene	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Bromomethane	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Carbon disulfide	ND		5.6	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Chlorobenzene	ND		5.6	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Chlorobromomethane	ND		5.6	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Chloroethane	ND		5.6	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Chloroform	ND		5.6	3.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6
Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,3-Dichlorobenzene	ND		5.6	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Dichlorodifluoromethane	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,1-Dichloroethene	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Methylene Chloride	ND		5.6	5.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Methyl tert-butyl ether	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
o-Xylene	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Styrene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Tetrachloroethene	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Toluene	ND		5.6	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
trans-1,2-Dichloroethene	ND		5.6	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,2,4-Trichlorobenzene	ND		5.6	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Trichloroethene	ND		5.6	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Trichlorofluoromethane	ND		5.6	4.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Vinyl chloride	ND	*1	5.6	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*09/01/23 07:49*	*09/01/23 17:27*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*09/01/23 07:49*	*09/01/23 17:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*73 - 135*	*09/01/23 07:49*	*09/01/23 17:27*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*09/01/23 07:49*	*09/01/23 17:27*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6
Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		81	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Acetophenone	ND		810	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Anthracene	ND		81	21	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Atrazine	ND		810	180	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Benzaldehyde	ND		810	50	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Benzo[a]anthracene	**54**	**J**	81	36	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Benzo[a]pyrene	**58**	**J**	81	35	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Benzo[b]fluoranthene	**86**		81	20	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Benzo[g,h,i]perylene	**51**	**J**	81	17	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Benzo[k]fluoranthene	ND		81	24	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Caprolactam	ND		2100	260	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Carbazole	ND		81	19	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2-Chloronaphthalene	ND		81	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Chrysene	**76**	**J**	81	45	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Dibenz(a,h)anthracene	ND		81	52	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Dibenzofuran	ND		400	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4,6-Dinitro-2-methylphenol	ND		2100	690	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Fluoranthene	**76**	**J**	81	21	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Fluorene	ND		81	16	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Hexachlorobutadiene	ND		81	24	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Hexachloroethane	ND		400	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Indeno[1,2,3-cd]pyrene	**41**	**J**	81	40	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Isophorone	ND		400	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2-Methylnaphthalene	ND		81	19	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2-Methylphenol	ND		400	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6

Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**20**	**J**	81	16	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Nitrobenzene	ND		810	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
4-Nitrophenol	ND		2100	280	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Pentachlorophenol	ND		2100	650	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Phenanthrene	**45**	**J**	81	22	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Phenol	ND		400	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
Pyrene	**86**		81	19	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*09/08/23 06:41*	*09/08/23 22:04*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*09/08/23 06:41*	*09/08/23 22:04*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*09/08/23 06:41*	*09/08/23 22:04*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*09/08/23 06:41*	*09/08/23 22:04*	*1*
Terphenyl-d14 (Surr)	*96*		*39 - 105*	*09/08/23 06:41*	*09/08/23 22:04*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*34 - 108*	*09/08/23 06:41*	*09/08/23 22:04*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1221	ND		20	7.2	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1232	ND		20	4.9	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1242	ND		20	3.0	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1248	**12**	**J**	20	4.9	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1254	ND		20	6.1	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1260	ND		20	5.8	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1262	ND		20	7.1	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/12/23 17:00	09/13/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*117*		*63 - 138*	*09/12/23 17:00*	*09/13/23 15:51*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*09/12/23 17:00*	*09/13/23 15:51*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*09/12/23 17:00*	*09/13/23 15:51*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*09/12/23 17:00*	*09/13/23 15:51*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		20	5.0	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Antimony	ND		1.0	0.31	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Arsenic	**7.5**		1.0	0.63	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S49
Lab Sample ID: 180-161585-6

Date Collected: 08/29/23 14:55
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110		20	3.6	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Beryllium	0.55		0.40	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Cadmium	0.56		0.51	0.074	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Calcium	3900		510	65	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Chromium	12		0.51	0.46	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Cobalt	6.6		5.1	0.71	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Copper	58		2.5	1.5	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Iron	18000		10	9.9	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Lead	94		1.0	0.88	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Magnesium	2000		510	56	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Manganese	530		1.5	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Nickel	16		4.0	0.51	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Potassium	890		510	86	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Selenium	0.91	J	1.0	0.47	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Silver	ND		0.51	0.11	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Sodium	62	J	510	52	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Thallium	ND		2.0	0.29	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Vanadium	17		5.1	0.80	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1
Zinc	150		2.0	1.5	mg/Kg	☼	08/31/23 08:00	10/04/23 20:30	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.039	0.025	mg/Kg	☼	08/31/23 11:30	09/01/23 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.6		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	82.4		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7

Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7
Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Vinyl chloride	ND	*1	5.3	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	09/01/23 07:49	09/01/23 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*09/01/23 07:49*	*09/01/23 17:49*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*09/01/23 07:49*	*09/01/23 17:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*09/01/23 07:49*	*09/01/23 17:49*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*09/01/23 07:49*	*09/01/23 17:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Acenaphthylene	ND		75	16	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7
Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		750	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Anthracene	ND		75	19	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Atrazine	ND		750	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Benzaldehyde	ND		750	46	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Benzo[a]anthracene	ND		75	34	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Benzo[b]fluoranthene	**22**	**J**	75	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Benzo[g,h,i]perylene	**18**	**J**	75	16	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Bis(2-chloroethyl)ether	ND		75	14	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Carbazole	ND		75	17	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4-Chloroaniline	ND		370	98	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Chrysene	ND		75	41	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Dibenz(a,h)anthracene	ND		75	48	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Dibenzofuran	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Fluoranthene	**23**	**J**	75	20	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Fluorene	ND		75	15	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Hexachloroethane	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Isophorone	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2-Methylphenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Naphthalene	ND		75	15	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7

Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
3-Nitroaniline	ND		1900	95	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Nitrobenzene	ND		750	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,2'-oxybis[1-chloropropane]	ND		75	28	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Phenanthrene	ND		75	20	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Phenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
Pyrene	**26**	**J**	75	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*09/08/23 06:41*	*09/08/23 22:25*	*1*
2-Fluorophenol (Surr)	*71*		*48 - 105*	*09/08/23 06:41*	*09/08/23 22:25*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*09/08/23 06:41*	*09/08/23 22:25*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*09/08/23 06:41*	*09/08/23 22:25*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 105*	*09/08/23 06:41*	*09/08/23 22:25*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*09/08/23 06:41*	*09/08/23 22:25*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1221	ND		18	6.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1232	ND		18	4.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1242	ND		18	2.7	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1248	**22**		18	4.4	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1254	**12**	**J**	18	5.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1260	ND		18	5.2	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1262	ND		18	6.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1
PCB-1268	ND		18	2.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*09/12/23 17:00*	*09/13/23 16:10*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*09/12/23 17:00*	*09/13/23 16:10*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*09/12/23 17:00*	*09/13/23 16:10*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*09/12/23 17:00*	*09/13/23 16:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		18	4.6	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Antimony	ND		0.92	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Arsenic	**6.6**		0.92	0.58	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Barium	**71**		18	3.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B23
Lab Sample ID: 180-161585-7
Date Collected: 08/29/23 15:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.42**		0.37	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Cadmium	**0.54**		0.46	0.068	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Calcium	**82000**		2300	300	mg/Kg	☼	08/31/23 08:00	09/29/23 15:18	5
Chromium	**13**		0.46	0.42	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Cobalt	**8.2**		4.6	0.65	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Copper	**32**		2.3	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Iron	**22000**		9.2	9.0	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Lead	**16**		0.92	0.80	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Magnesium	**8300**		460	51	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Manganese	**720**		1.4	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Nickel	**23**		3.7	0.47	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Potassium	**770**		460	79	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Selenium	ND		0.92	0.43	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Silver	ND		0.46	0.096	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Sodium	**95**	**J**	460	47	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Thallium	ND		1.8	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Vanadium	**15**		4.6	0.73	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1
Zinc	**140**		1.8	1.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:35	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	08/31/23 11:30	09/01/23 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.3**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**88.7**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Chlorobromomethane	ND		4.9	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Chloroethane	ND		4.9	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Cyclohexane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.9	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2-Dichlorobenzene	ND		4.9	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Dichlorodifluoromethane	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2-Dichloroethene, Total	ND		9.8	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,4-Dioxane	ND		980	75	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
2-Hexanone	ND		25	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Isopropylbenzene	ND		4.9	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Methyl acetate	ND		25	7.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Methylcyclohexane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
m-Xylene & p-Xylene	ND		4.9	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2,3-Trichlorobenzene	ND		9.8	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Trichlorofluoromethane	ND		4.9	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Vinyl chloride	ND	*1	4.9	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1
Xylenes, Total	ND		9.8	7.1	ug/Kg	☼	09/01/23 07:49	09/01/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*09/01/23 07:49*	*09/01/23 18:11*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*09/01/23 07:49*	*09/01/23 18:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*09/01/23 07:49*	*09/01/23 18:11*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*09/01/23 07:49*	*09/01/23 18:11*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		75	21	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Acenaphthylene	ND		75	16	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Acetophenone	ND		750	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		75	19	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Atrazine	ND		750	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Benzaldehyde	ND		750	46	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Benzo[a]anthracene	ND		75	33	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Benzo[a]pyrene	ND		75	32	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Benzo[b]fluoranthene	**27**	**J**	75	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Benzo[g,h,i]perylene	ND		75	16	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Benzo[k]fluoranthene	ND		75	22	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Bis(2-chloroethyl)ether	ND		75	13	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Caprolactam	ND		1900	240	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Carbazole	ND		75	17	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2-Chloronaphthalene	ND		75	17	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Chrysene	ND		75	41	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Dibenz(a,h)anthracene	ND		75	47	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Dibenzofuran	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,4-Dichlorophenol	ND		75	29	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
1,4-Dioxane	ND		750	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Fluoranthene	**35**	**J**	75	20	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Fluorene	ND		75	15	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Hexachlorobenzene	ND		75	27	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Hexachlorobutadiene	ND		75	22	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Hexachloroethane	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Indeno[1,2,3-cd]pyrene	ND		75	37	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Isophorone	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2-Methylnaphthalene	ND		75	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2-Methylphenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Naphthalene	ND		75	14	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B24
Lab Sample ID: 180-161585-8

Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	94	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Nitrobenzene	ND		750	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
N-Nitrosodi-n-propylamine	ND		75	25	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,2'-oxybis[1-chloropropane]	ND		75	27	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Phenanthrene	**25**	**J**	75	20	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Phenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
Pyrene	**40**	**J**	75	18	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	09/08/23 06:41	09/08/23 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*09/08/23 06:41*	*09/08/23 22:47*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*09/08/23 06:41*	*09/08/23 22:47*	*1*
Nitrobenzene-d5 (Surr)	*74*		*46 - 105*	*09/08/23 06:41*	*09/08/23 22:47*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*09/08/23 06:41*	*09/08/23 22:47*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*09/08/23 06:41*	*09/08/23 22:47*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*09/08/23 06:41*	*09/08/23 22:47*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.0	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1221	ND		19	6.6	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1232	ND		19	4.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1242	ND		19	2.7	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1248	**29**		19	4.4	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1254	**18**	**J**	19	5.6	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1260	ND		19	5.3	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1262	ND		19	6.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/12/23 17:00	09/13/23 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*09/12/23 17:00*	*09/13/23 16:28*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*09/12/23 17:00*	*09/13/23 16:28*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*09/12/23 17:00*	*09/13/23 16:28*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*09/12/23 17:00*	*09/13/23 16:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		19	4.7	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Antimony	ND		0.94	0.28	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Arsenic	**7.3**		0.94	0.59	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Barium	**100**		19	3.3	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Beryllium	**0.42**		0.38	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B24

Lab Sample ID: 180-161585-8
Date Collected: 08/29/23 15:05
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.1		0.47	0.069	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Calcium	31000		470	61	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Chromium	13		0.47	0.43	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Cobalt	7.3		4.7	0.66	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Copper	47		2.3	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Iron	21000		9.4	9.1	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Lead	62		0.94	0.82	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Magnesium	5300		470	52	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Manganese	450		1.4	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Nickel	21		3.8	0.47	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Potassium	660		470	80	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Selenium	ND		0.94	0.43	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Silver	ND		0.47	0.098	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Sodium	230	J	470	48	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Thallium	ND		1.9	0.27	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Vanadium	15		4.7	0.74	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1
Zinc	300		1.9	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 20:40	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.037	0.024	mg/Kg	☼	08/31/23 11:30	09/01/23 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.3		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	88.7		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B25

Lab Sample ID: 180-161585-9
Date Collected: 08/29/23 15:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 85.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Benzene	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Bromoform	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Bromomethane	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
2-Butanone (MEK)	ND		24	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Carbon disulfide	ND		4.9	3.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Carbon tetrachloride	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Chlorobenzene	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Chlorobromomethane	ND		4.9	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Chlorodibromomethane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Chloroethane	ND		4.9	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Chloroform	ND		4.9	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Chloromethane	ND		4.9	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
cis-1,2-Dichloroethene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
cis-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Cyclohexane	ND		4.9	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2-Dibromo-3-Chloropropane	ND		4.9	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B25
Lab Sample ID: 180-161585-9

Date Collected: 08/29/23 15:10
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 85.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2-Dichlorobenzene	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,3-Dichlorobenzene	ND		4.9	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,4-Dichlorobenzene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Dichlorobromomethane	ND		4.9	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Dichlorodifluoromethane	ND		4.9	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,1-Dichloroethane	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2-Dichloroethane	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,1-Dichloroethene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2-Dichloroethene, Total	ND		9.7	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2-Dichloropropane	ND		4.9	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,4-Dioxane	ND		970	74	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Ethylbenzene	ND		4.9	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
2-Hexanone	ND		24	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Isopropylbenzene	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Methyl acetate	ND		24	7.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Methylcyclohexane	ND		4.9	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Methylene Chloride	ND		4.9	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Methyl tert-butyl ether	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
m-Xylene & p-Xylene	ND		4.9	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
o-Xylene	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Styrene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,1,2,2-Tetrachloroethane	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Tetrachloroethene	ND		4.9	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Toluene	ND		4.9	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
trans-1,2-Dichloroethene	ND		4.9	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
trans-1,3-Dichloropropene	ND		4.9	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2,3-Trichlorobenzene	ND		9.7	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,2,4-Trichlorobenzene	ND		4.9	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,1,1-Trichloroethane	ND		4.9	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,1,2-Trichloroethane	ND		4.9	0.97	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Trichloroethene	ND		4.9	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Trichlorofluoromethane	ND		4.9	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Vinyl chloride	ND	*1	4.9	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1
Xylenes, Total	ND		9.7	7.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*09/01/23 07:49*	*09/01/23 18:33*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*09/01/23 07:49*	*09/01/23 18:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*	*09/01/23 07:49*	*09/01/23 18:33*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*09/01/23 07:49*	*09/01/23 18:33*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Acenaphthylene	ND		78	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Acetophenone	ND		780	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Anthracene	**23**	**J**	78	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B25
Lab Sample ID: 180-161585-9
Date Collected: 08/29/23 15:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 85.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		780	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Benzaldehyde	ND		780	48	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Benzo[a]anthracene	**92**		78	35	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Benzo[a]pyrene	**90**		78	33	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Benzo[b]fluoranthene	**98**		78	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Benzo[g,h,i]perylene	**62**	**J**	78	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Benzo[k]fluoranthene	**47**	**J**	78	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Butyl benzyl phthalate	ND		380	270	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Caprolactam	ND		2000	250	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Carbazole	ND		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Chrysene	**100**		78	43	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Dibenz(a,h)anthracene	ND		78	49	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Dibenzofuran	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Fluoranthene	**180**		78	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Fluorene	ND		78	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Hexachlorocyclopentadiene	ND		380	40	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Hexachloroethane	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Indeno[1,2,3-cd]pyrene	**52**	**J**	78	38	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Isophorone	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2-Methylphenol	ND		380	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Naphthalene	ND		78	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B25
Lab Sample ID: 180-161585-9
Date Collected: 08/29/23 15:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 85.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2000	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Nitrobenzene	ND		780	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Phenanthrene	**76**	**J**	78	21	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Phenol	ND		380	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
Pyrene	**150**		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*09/08/23 06:41*	*09/08/23 19:00*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*09/08/23 06:41*	*09/08/23 19:00*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:00*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:00*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*09/08/23 06:41*	*09/08/23 19:00*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*34 - 108*	*09/08/23 06:41*	*09/08/23 19:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1221	ND		19	6.7	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1232	ND		19	4.6	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1248	**120**		19	4.6	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1254	**77**		19	5.7	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1260	ND		19	5.4	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1262	ND		19	6.7	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/12/23 17:00	09/13/23 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*09/12/23 17:00*	*09/13/23 16:47*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*63 - 138*	*09/12/23 17:00*	*09/13/23 16:47*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*09/12/23 17:00*	*09/13/23 16:47*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*09/12/23 17:00*	*09/13/23 16:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		15	3.8	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Antimony	ND		0.77	0.23	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Arsenic	**6.4**		0.77	0.48	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Barium	**79**		15	2.7	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Beryllium	**0.40**		0.31	0.084	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Cadmium	**0.54**		0.38	0.056	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B25
Lab Sample ID: 180-161585-9

Date Collected: 08/29/23 15:10
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 85.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**41000**		380	50	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Chromium	**12**		0.38	0.35	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Cobalt	**8.2**		3.8	0.54	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Copper	**33**		1.9	1.2	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Iron	**21000**		7.7	7.5	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Lead	**31**		0.77	0.67	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Magnesium	**6800**		380	42	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Manganese	**730**		1.2	0.21	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Nickel	**23**		3.1	0.39	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Potassium	**720**		380	65	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Selenium	ND		0.77	0.35	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Silver	ND		0.38	0.080	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Sodium	**84**	**J**	380	39	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Thallium	ND		1.5	0.22	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Vanadium	**15**		3.8	0.61	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1
Zinc	**200**		1.5	1.1	mg/Kg	☼	08/31/23 08:00	10/04/23 20:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**		0.033	0.022	mg/Kg	☼	08/31/23 11:30	09/01/23 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.3**		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	**85.7**		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10

Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Benzene	ND		5.1	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Carbon disulfide	ND	F2	5.1	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Chloroethane	ND	F2	5.1	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,1-Dichloroethene	ND	F2	5.1	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,4-Dioxane	ND		1000	77	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Styrene	ND		5.1	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Toluene	ND		5.1	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	5.1	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Vinyl chloride	ND	*1	5.1	3.7	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	09/01/23 07:49	09/01/23 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*	*09/01/23 07:49*	*09/01/23 11:27*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*09/01/23 07:49*	*09/01/23 11:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*09/01/23 07:49*	*09/01/23 11:27*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/01/23 07:49*	*09/01/23 11:27*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Acenaphthylene	ND		78	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Acetophenone	ND		780	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Anthracene	ND		78	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Atrazine	ND		780	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND	F1	780	48	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Benzo[a]anthracene	ND		78	35	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Benzo[a]pyrene	ND		78	34	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Benzo[b]fluoranthene	**32**	**J**	78	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Benzo[g,h,i]perylene	**22**	**J**	78	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Benzo[k]fluoranthene	ND		78	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4-Bromophenyl phenyl ether	ND		380	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Butyl benzyl phthalate	ND		380	270	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Caprolactam	ND		2000	250	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Carbazole	ND		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Chrysene	ND		78	43	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Dibenzofuran	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Di-n-octyl phthalate	ND		380	230	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Fluoranthene	**34**	**J**	78	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Fluorene	ND		78	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Hexachlorocyclopentadiene	ND		380	40	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Hexachloroethane	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Indeno[1,2,3-cd]pyrene	ND		78	39	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Isophorone	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2-Methylnaphthalene	**20**	**J**	78	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2-Methylphenol	ND		380	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Naphthalene	**20**	**J**	78	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10

Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		780	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Phenanthrene	**31**	**J**	78	21	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Phenol	ND		380	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
Pyrene	**47**	**J**	78	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*09/08/23 06:41*	*09/08/23 19:10*	*1*
2-Fluorophenol (Surr)	*68*		*48 - 105*	*09/08/23 06:41*	*09/08/23 19:10*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:10*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:10*	*1*
Terphenyl-d14 (Surr)	*95*		*39 - 105*	*09/08/23 06:41*	*09/08/23 19:10*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*09/08/23 06:41*	*09/08/23 19:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	F2	19	6.3	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1221	ND		19	6.9	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1232	ND		19	4.7	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1248	**27**		19	4.7	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1254	ND		19	5.8	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1260	ND	F2	19	5.5	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1262	ND		19	6.8	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1
PCB-1268	ND		19	2.6	ug/Kg	☼	09/12/23 17:00	09/13/23 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*09/12/23 17:00*	*09/13/23 13:22*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*09/12/23 17:00*	*09/13/23 13:22*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*09/12/23 17:00*	*09/13/23 13:22*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*09/12/23 17:00*	*09/13/23 13:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		21	5.1	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Antimony	ND	F1	1.0	0.31	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Arsenic	**10**		1.0	0.65	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Barium	**84**		21	3.7	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Beryllium	**0.42**		0.41	0.11	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Cadmium	**0.26**	**J**	0.51	0.076	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Calcium	**2200**	**F1 F2**	510	67	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Lab Sample ID: 180-161585-10
Date Collected: 08/29/23 15:15
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 83.7

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	9.3		0.51	0.47	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Cobalt	5.9		5.1	0.72	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Copper	33		2.6	1.6	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Iron	18000		10	10	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Lead	27		1.0	0.90	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Magnesium	2400		510	57	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Manganese	460		1.5	0.29	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Nickel	15		4.1	0.52	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Potassium	540		510	88	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Selenium	ND		1.0	0.47	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Silver	ND		0.51	0.11	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Sodium	57	J	510	53	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Thallium	0.46	J	2.1	0.29	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Vanadium	13		5.1	0.81	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1
Zinc	87	F1	2.1	1.5	mg/Kg	☼	10/05/23 09:53	10/05/23 16:00	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.035	0.022	mg/Kg	☼	08/31/23 11:30	09/01/23 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.3		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	83.7		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11
Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Benzene	ND		5.5	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11
Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Dichlorodifluoromethane	ND		5.5	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,4-Dioxane	ND		1100	84	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Styrene	ND		5.5	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Toluene	ND		5.5	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Vinyl chloride	ND	*1	5.5	4.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	09/01/23 07:49	09/01/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*60 - 124*	*09/01/23 07:49*	*09/01/23 18:56*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/01/23 07:49*	*09/01/23 18:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*09/01/23 07:49*	*09/01/23 18:56*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/01/23 07:49*	*09/01/23 18:56*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		85	24	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Acenaphthylene	ND		85	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Acetophenone	ND		850	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Anthracene	ND		85	22	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Atrazine	ND		850	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Benzaldehyde	ND		850	52	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11
Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**46**	**J**	85	38	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Benzo[a]pyrene	**47**	**J**	85	37	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Benzo[b]fluoranthene	**51**	**J**	85	21	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Benzo[g,h,i]perylene	**31**	**J**	85	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Benzo[k]fluoranthene	**25**	**J**	85	25	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
1,1'-Biphenyl	ND		420	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Bis(2-chloroethoxy)methane	ND		420	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Bis(2-chloroethyl)ether	ND		85	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Bis(2-ethylhexyl) phthalate	ND		4200	450	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4-Bromophenyl phenyl ether	ND		420	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Butyl benzyl phthalate	ND		420	290	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Caprolactam	ND		2100	270	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Carbazole	ND		85	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4-Chloroaniline	ND		420	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4-Chloro-3-methylphenol	ND		420	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2-Chloronaphthalene	ND		85	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2-Chlorophenol	ND		420	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4-Chlorophenyl phenyl ether	ND		420	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Chrysene	**47**	**J**	85	47	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Dibenz(a,h)anthracene	ND		85	54	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Dibenzofuran	ND		420	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
3,3'-Dichlorobenzidine	ND		420	390	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,4-Dichlorophenol	ND		85	32	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Diethyl phthalate	ND		420	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,4-Dimethylphenol	ND		420	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Dimethyl phthalate	ND		420	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Di-n-butyl phthalate	ND		420	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4,6-Dinitro-2-methylphenol	ND		2100	730	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,4-Dinitrophenol	ND		4200	2600	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,4-Dinitrotoluene	ND		420	250	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,6-Dinitrotoluene	ND		420	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Di-n-octyl phthalate	ND		420	250	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
1,4-Dioxane	ND		850	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Fluoranthene	**69**	**J**	85	22	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Fluorene	ND		85	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Hexachlorobenzene	ND		85	30	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Hexachlorobutadiene	ND		85	25	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Hexachlorocyclopentadiene	ND		420	43	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Hexachloroethane	ND		420	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Indeno[1,2,3-cd]pyrene	ND		85	42	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Isophorone	ND		420	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2-Methylnaphthalene	ND		85	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2-Methylphenol	ND		420	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Methylphenol, 3 & 4	ND		420	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Naphthalene	ND		85	16	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4-Nitroaniline	ND		2100	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Nitrobenzene	ND		850	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11

Date Collected: 08/29/23 15:20
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 78.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		420	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
4-Nitrophenol	ND		2100	300	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
N-Nitrosodi-n-propylamine	ND		85	29	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
N-Nitrosodiphenylamine	ND		420	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,2'-oxybis[1-chloropropane]	ND		85	31	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Pentachlorophenol	ND		2100	680	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Phenanthrene	**27**	**J**	85	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Phenol	ND		420	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
Pyrene	**64**	**J**	85	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
1,2,4,5-Tetrachlorobenzene	ND		420	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,3,4,6-Tetrachlorophenol	ND		420	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,4,5-Trichlorophenol	ND		420	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1
2,4,6-Trichlorophenol	ND		420	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*09/08/23 06:41*	*09/08/23 19:21*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*09/08/23 06:41*	*09/08/23 19:21*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:21*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:21*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*09/08/23 06:41*	*09/08/23 19:21*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*09/08/23 06:41*	*09/08/23 19:21*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1221	ND		21	7.3	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1232	ND		21	5.0	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1242	ND		21	3.0	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1248	**120**		21	5.0	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1254	**79**		21	6.2	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1260	ND		21	5.9	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1262	ND		21	7.3	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1
PCB-1268	ND		21	2.8	ug/Kg	☼	09/12/23 17:00	09/13/23 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*09/12/23 17:00*	*09/13/23 17:06*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*09/12/23 17:00*	*09/13/23 17:06*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*09/12/23 17:00*	*09/13/23 17:06*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*09/12/23 17:00*	*09/13/23 17:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		19	4.7	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Antimony	ND		0.94	0.29	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Arsenic	**11**		0.94	0.59	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Barium	**120**		19	3.4	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Beryllium	**0.60**		0.38	0.10	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Cadmium	**0.87**		0.47	0.069	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Calcium	**8200**		470	61	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Chromium	**14**		0.47	0.43	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B27
Lab Sample ID: 180-161585-11
Date Collected: 08/29/23 15:20
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 78.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	13		4.7	0.66	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Copper	72		2.4	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Iron	23000		9.4	9.2	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Lead	91		0.94	0.82	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Magnesium	3900		470	52	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Manganese	1200		1.4	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Nickel	26		3.8	0.47	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Potassium	660		470	80	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Selenium	0.75	J	0.94	0.43	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Silver	ND		0.47	0.098	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Sodium	63	J	470	48	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Thallium	ND		1.9	0.27	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Vanadium	18		4.7	0.75	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1
Zinc	400		1.9	1.4	mg/Kg	☼	08/31/23 08:00	10/04/23 21:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.040	0.025	mg/Kg	☼	08/31/23 11:30	09/01/23 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	21.9		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	78.1		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Benzene	ND		5.4	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Styrene	ND		5.4	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Toluene	ND		5.4	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Vinyl chloride	ND	*1	5.4	3.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*09/01/23 07:49*	*09/01/23 19:18*	*1*
Dibromofluoromethane (Surr)	*89*		*69 - 126*	*09/01/23 07:49*	*09/01/23 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*	*09/01/23 07:49*	*09/01/23 19:18*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*09/01/23 07:49*	*09/01/23 19:18*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Acenaphthylene	ND		79	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Acetophenone	ND		790	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Anthracene	ND		79	20	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Atrazine	ND		790	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Benzaldehyde	ND		790	49	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Benzo[a]anthracene	ND		79	36	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		79	34	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Benzo[b]fluoranthene	ND		79	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Benzo[g,h,i]perylene	ND		79	17	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Benzo[k]fluoranthene	ND		79	24	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Caprolactam	ND		2000	260	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Carbazole	ND		79	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Chrysene	ND		79	44	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Dibenzofuran	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Fluoranthene	ND		79	21	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Fluorene	ND		79	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Hexachloroethane	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Isophorone	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2-Methylphenol	ND		390	110	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Naphthalene	ND		79	15	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Nitrobenzene	ND		790	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12

Date Collected: 08/29/23 00:00
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 82.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		2000	280	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Phenanthrene	ND		79	21	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Phenol	ND		390	120	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
Pyrene	ND		79	19	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	09/08/23 06:41	09/08/23 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*09/08/23 06:41*	*09/08/23 19:43*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*09/08/23 06:41*	*09/08/23 19:43*	*1*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:43*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/08/23 06:41*	*09/08/23 19:43*	*1*
Terphenyl-d14 (Surr)	*71*		*39 - 105*	*09/08/23 06:41*	*09/08/23 19:43*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*	*09/08/23 06:41*	*09/08/23 19:43*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1221	ND		20	7.0	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1232	ND		20	4.8	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1242	ND		20	2.9	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1248	**320**		20	4.7	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1254	**200**		20	5.9	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1260	ND		20	5.6	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1262	ND		20	7.0	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1
PCB-1268	ND		20	2.7	ug/Kg	☼	09/12/23 17:00	09/13/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*09/12/23 17:00*	*09/13/23 18:02*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*09/12/23 17:00*	*09/13/23 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*90*		*55 - 135*	*09/12/23 17:00*	*09/13/23 18:02*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*09/12/23 17:00*	*09/13/23 18:02*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		17	4.3	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Antimony	ND		0.87	0.26	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Arsenic	**9.2**		0.87	0.54	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Barium	**120**		17	3.1	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Beryllium	**0.58**		0.35	0.094	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Cadmium	**0.75**		0.43	0.063	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Calcium	**21000**		430	56	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Chromium	**16**		0.43	0.39	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Cobalt	**10**		4.3	0.61	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1

Client Sample ID: SSHS-IRM5A2-DUP315
Lab Sample ID: 180-161585-12
Date Collected: 08/29/23 00:00
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 82.6

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	100		2.2	1.3	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Iron	25000		8.7	8.4	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Lead	70		0.87	0.75	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Magnesium	9600		430	47	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Manganese	700		1.3	0.24	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Nickel	27		3.5	0.44	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Potassium	1000		430	74	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Selenium	0.57	J	0.87	0.40	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Silver	ND		0.43	0.090	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Sodium	90	J	430	44	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Thallium	ND		1.7	0.25	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Vanadium	19		4.3	0.68	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1
Zinc	210		1.7	1.3	mg/Kg	☼	08/31/23 08:00	10/04/23 21:10	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.039	0.025	mg/Kg	☼	08/31/23 11:30	09/01/23 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.4		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	82.6		0.1	0.1	%			09/01/23 15:18	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13
Date Collected: 08/29/23 15:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Benzene	ND		5.2	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13
Date Collected: 08/29/23 15:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,4-Dioxane	ND		1000	79	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Styrene	ND		5.2	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Toluene	ND		5.2	1.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Vinyl chloride	ND	*1	5.2	3.8	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	09/01/23 07:49	09/01/23 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*60 - 124*	*09/01/23 07:49*	*09/01/23 19:40*	*1*
Dibromofluoromethane (Surr)	*83*		*69 - 126*	*09/01/23 07:49*	*09/01/23 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*09/01/23 07:49*	*09/01/23 19:40*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*09/01/23 07:49*	*09/01/23 19:40*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Acenaphthylene	**93**		76	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Acetophenone	ND		760	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Anthracene	**95**		76	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Atrazine	ND		760	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Benzaldehyde	ND		760	47	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Benzo[a]anthracene	**270**		76	34	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Benzo[a]pyrene	**270**		76	33	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13

Date Collected: 08/29/23 15:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**310**		76	19	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Benzo[g,h,i]perylene	**190**		76	16	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Benzo[k]fluoranthene	**130**		76	23	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Caprolactam	ND		1900	250	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Carbazole	**39**	**J**	76	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Chrysene	**290**		76	42	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Dibenz(a,h)anthracene	**55**	**J**	76	48	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Dibenzofuran	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Fluoranthene	**500**		76	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Fluorene	ND		76	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Hexachloroethane	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Indeno[1,2,3-cd]pyrene	**150**		76	38	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Isophorone	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2-Methylnaphthalene	**44**	**J**	76	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2-Methylphenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Naphthalene	**100**		76	15	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Nitrobenzene	ND		760	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13

Date Collected: 08/29/23 15:25
Matrix: Solid

Date Received: 08/30/23 09:55
Percent Solids: 88.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Phenanthrene	**250**		76	20	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Phenol	ND		370	110	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
Pyrene	**440**		76	18	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	09/08/23 06:41	09/08/23 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*44 - 105*	*09/08/23 06:41*	*09/08/23 20:04*	*1*
2-Fluorophenol (Surr)	*97*		*48 - 105*	*09/08/23 06:41*	*09/08/23 20:04*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:04*	*1*
Phenol-d5 (Surr)	*97*		*46 - 105*	*09/08/23 06:41*	*09/08/23 20:04*	*1*
Terphenyl-d14 (Surr)	*94*		*39 - 105*	*09/08/23 06:41*	*09/08/23 20:04*	*1*
2,4,6-Tribromophenol (Surr)	*110*	*S1+*	*34 - 108*	*09/08/23 06:41*	*09/08/23 20:04*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1221	ND		19	6.7	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1232	ND		19	4.6	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1242	ND		19	2.8	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1248	**320**		19	4.5	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1254	**190**		19	5.6	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1260	**69**		19	5.3	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1262	ND		19	6.6	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1
PCB-1268	ND		19	2.5	ug/Kg	☼	09/12/23 17:00	09/13/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*09/12/23 17:00*	*09/13/23 18:20*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*09/12/23 17:00*	*09/13/23 18:20*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*09/12/23 17:00*	*09/13/23 18:20*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*09/12/23 17:00*	*09/13/23 18:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		14	3.5	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Antimony	ND		0.70	0.21	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Arsenic	**5.9**		0.70	0.44	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Barium	**98**		14	2.5	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Beryllium	**0.44**		0.28	0.076	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Cadmium	**0.43**		0.35	0.051	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Calcium	**7300**		350	45	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Chromium	**16**		0.35	0.32	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Cobalt	**8.4**		3.5	0.49	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Copper	**42**		1.8	1.1	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH3-S50
Lab Sample ID: 180-161585-13
Date Collected: 08/29/23 15:25
Matrix: Solid
Date Received: 08/30/23 09:55
Percent Solids: 88.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	24000		7.0	6.8	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Lead	220		0.70	0.61	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Magnesium	4500		350	38	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Manganese	430		1.1	0.19	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Nickel	30		2.8	0.35	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Potassium	790		350	60	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Selenium	ND		0.70	0.32	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Silver	ND		0.35	0.073	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Sodium	62	J	350	36	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Thallium	ND		1.4	0.20	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Vanadium	18		3.5	0.55	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1
Zinc	100		1.4	1.0	mg/Kg	☼	08/31/23 08:00	10/04/23 21:15	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.33		0.035	0.023	mg/Kg	☼	08/31/23 11:30	09/01/23 13:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.9		0.1	0.1	%			09/01/23 15:18	1
Percent Solids (SM22 2540G)	88.1		0.1	0.1	%			09/01/23 15:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-445322/7
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/01/23 11:05	1
Benzene	ND		5.0	1.4	ug/Kg			09/01/23 11:05	1
Bromoform	ND		5.0	2.5	ug/Kg			09/01/23 11:05	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/01/23 11:05	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/01/23 11:05	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/01/23 11:05	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/01/23 11:05	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/01/23 11:05	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/01/23 11:05	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/01/23 11:05	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/01/23 11:05	1
Chloroform	ND		5.0	3.4	ug/Kg			09/01/23 11:05	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/01/23 11:05	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/01/23 11:05	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/01/23 11:05	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/01/23 11:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/01/23 11:05	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/01/23 11:05	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/01/23 11:05	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/01/23 11:05	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/01/23 11:05	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/01/23 11:05	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/01/23 11:05	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/01/23 11:05	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/01/23 11:05	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/01/23 11:05	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/01/23 11:05	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/01/23 11:05	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/01/23 11:05	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/01/23 11:05	1
2-Hexanone	ND		25	1.6	ug/Kg			09/01/23 11:05	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/01/23 11:05	1
Methyl acetate	ND		25	7.4	ug/Kg			09/01/23 11:05	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/01/23 11:05	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/01/23 11:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/01/23 11:05	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/01/23 11:05	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/01/23 11:05	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/01/23 11:05	1
Styrene	ND		5.0	1.5	ug/Kg			09/01/23 11:05	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/01/23 11:05	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/01/23 11:05	1
Toluene	ND		5.0	1.4	ug/Kg			09/01/23 11:05	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/01/23 11:05	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/01/23 11:05	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/01/23 11:05	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/01/23 11:05	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/01/23 11:05	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-445322/7
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/01/23 11:05	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/01/23 11:05	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/01/23 11:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/01/23 11:05	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/01/23 11:05	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/01/23 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*		*09/01/23 11:05*	*1*
Dibromofluoromethane (Surr)	*105*		*69 - 126*		*09/01/23 11:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*130*		*73 - 135*		*09/01/23 11:05*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*		*09/01/23 11:05*	*1*

Lab Sample ID: LCS 180-445322/3
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	33.8		ug/Kg		85	23 - 170
Benzene	40.0	41.1		ug/Kg		103	77 - 120
Bromoform	40.0	35.0		ug/Kg		87	37 - 147
Bromomethane	40.0	30.6		ug/Kg		77	47 - 149
2-Butanone (MEK)	40.0	32.2		ug/Kg		80	39 - 157
Carbon disulfide	40.0	36.8		ug/Kg		92	40 - 156
Carbon tetrachloride	40.0	37.8		ug/Kg		95	73 - 130
Chlorobenzene	40.0	35.6		ug/Kg		89	79 - 122
Chlorobromomethane	40.0	37.1		ug/Kg		93	64 - 128
Chlorodibromomethane	40.0	35.8		ug/Kg		90	60 - 134
Chloroethane	40.0	28.6		ug/Kg		71	37 - 159
Chloroform	40.0	42.5		ug/Kg		106	73 - 126
Chloromethane	40.0	51.6		ug/Kg		129	46 - 151
cis-1,2-Dichloroethene	40.0	35.5		ug/Kg		89	77 - 118
cis-1,3-Dichloropropene	40.0	36.7		ug/Kg		92	73 - 127
Cyclohexane	40.0	35.8		ug/Kg		89	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	37.4		ug/Kg		94	30 - 163
1,2-Dibromoethane	40.0	37.0		ug/Kg		93	59 - 137
1,2-Dichlorobenzene	40.0	35.9		ug/Kg		90	76 - 120
1,3-Dichlorobenzene	40.0	35.8		ug/Kg		90	77 - 121
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120
Dichlorobromomethane	40.0	41.4		ug/Kg		103	75 - 123
Dichlorodifluoromethane	40.0	53.9		ug/Kg		135	26 - 149
1,1-Dichloroethane	40.0	37.0		ug/Kg		93	73 - 124
1,2-Dichloroethane	40.0	41.3		ug/Kg		103	64 - 140
1,1-Dichloroethene	40.0	33.1		ug/Kg		83	55 - 136
1,2-Dichloroethene, Total	80.0	70.4		ug/Kg		88	77 - 119
1,2-Dichloropropane	40.0	39.3		ug/Kg		98	77 - 119
1,4-Dioxane	800	861	J	ug/Kg		108	18 - 166
Ethylbenzene	40.0	37.2		ug/Kg		93	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-445322/3
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	30.8		ug/Kg		77	42 - 152
Isopropylbenzene	40.0	37.4		ug/Kg		93	70 - 125
Methyl acetate	80.0	77.8		ug/Kg		97	20 - 170
Methylcyclohexane	40.0	37.3		ug/Kg		93	70 - 125
Methylene Chloride	40.0	36.0		ug/Kg		90	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	34.9		ug/Kg		87	51 - 147
Methyl tert-butyl ether	40.0	35.4		ug/Kg		88	58 - 132
m-Xylene & p-Xylene	40.0	36.3		ug/Kg		91	77 - 120
o-Xylene	40.0	35.6		ug/Kg		89	78 - 118
Styrene	40.0	37.3		ug/Kg		93	80 - 120
1,1,2,2-Tetrachloroethane	40.0	40.1		ug/Kg		100	36 - 170
Tetrachloroethene	40.0	35.4		ug/Kg		88	71 - 121
Toluene	40.0	37.7		ug/Kg		94	76 - 120
trans-1,2-Dichloroethene	40.0	34.8		ug/Kg		87	75 - 122
trans-1,3-Dichloropropene	40.0	38.7		ug/Kg		97	68 - 133
1,2,3-Trichlorobenzene	40.0	35.1		ug/Kg		88	29 - 166
1,2,4-Trichlorobenzene	40.0	34.3		ug/Kg		86	22 - 170
1,1,1-Trichloroethane	40.0	40.0		ug/Kg		100	72 - 134
1,1,2-Trichloroethane	40.0	38.2		ug/Kg		95	66 - 128
Trichloroethene	40.0	35.9		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	34.6		ug/Kg		86	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	25.1		ug/Kg		63	59 - 135
Vinyl chloride	40.0	37.2		ug/Kg		93	64 - 134
Xylenes, Total	80.0	71.9		ug/Kg		90	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*96*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*96*		*67 - 134*

Lab Sample ID: LCSD 180-445322/4
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	38.4		ug/Kg		96	23 - 170	13	35
Benzene	40.0	41.6		ug/Kg		104	77 - 120	1	20
Bromoform	40.0	34.3		ug/Kg		86	37 - 147	2	23
Bromomethane	40.0	35.1		ug/Kg		88	47 - 149	14	25
2-Butanone (MEK)	40.0	35.0		ug/Kg		88	39 - 157	8	33
Carbon disulfide	40.0	43.9		ug/Kg		110	40 - 156	17	25
Carbon tetrachloride	40.0	39.6		ug/Kg		99	73 - 130	5	21
Chlorobenzene	40.0	36.1		ug/Kg		90	79 - 122	1	20
Chlorobromomethane	40.0	37.2		ug/Kg		93	64 - 128	0	20
Chlorodibromomethane	40.0	36.8		ug/Kg		92	60 - 134	3	40
Chloroethane	40.0	31.2		ug/Kg		78	37 - 159	9	25
Chloroform	40.0	43.0		ug/Kg		108	73 - 126	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-445322/4
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	52.8		ug/Kg		132	46 - 151	2	33
cis-1,2-Dichloroethene			40.0	39.6		ug/Kg		99	77 - 118	11	20
cis-1,3-Dichloropropene			40.0	38.1		ug/Kg		95	73 - 127	4	20
Cyclohexane			40.0	36.5		ug/Kg		91	63 - 143	2	25
1,2-Dibromo-3-Chloropropane			40.0	36.2		ug/Kg		91	30 - 163	3	34
1,2-Dibromoethane			40.0	37.7		ug/Kg		94	59 - 137	2	20
1,2-Dichlorobenzene			40.0	37.1		ug/Kg		93	76 - 120	3	20
1,3-Dichlorobenzene			40.0	37.3		ug/Kg		93	77 - 121	4	20
1,4-Dichlorobenzene			40.0	36.6		ug/Kg		92	79 - 120	3	20
Dichlorobromomethane			40.0	41.8		ug/Kg		105	75 - 123	1	20
Dichlorodifluoromethane			40.0	54.0		ug/Kg		135	26 - 149	0	24
1,1-Dichloroethane			40.0	41.1		ug/Kg		103	73 - 124	10	20
1,2-Dichloroethane			40.0	41.7		ug/Kg		104	64 - 140	1	20
1,1-Dichloroethene			40.0	37.4		ug/Kg		94	55 - 136	12	21
1,2-Dichloroethene, Total			80.0	80.2		ug/Kg		100	77 - 119	13	20
1,2-Dichloropropane			40.0	40.9		ug/Kg		102	77 - 119	4	20
1,4-Dioxane			800	848	J	ug/Kg		106	18 - 166	2	40
Ethylbenzene			40.0	38.0		ug/Kg		95	79 - 119	2	20
2-Hexanone			40.0	30.9		ug/Kg		77	42 - 152	0	30
Isopropylbenzene			40.0	39.6		ug/Kg		99	70 - 125	6	21
Methyl acetate			80.0	87.8		ug/Kg		110	20 - 170	12	33
Methylcyclohexane			40.0	37.7		ug/Kg		94	70 - 125	1	22
Methylene Chloride			40.0	39.2		ug/Kg		98	67 - 131	9	32
4-Methyl-2-pentanone (MIBK)			40.0	33.7		ug/Kg		84	51 - 147	4	27
Methyl tert-butyl ether			40.0	38.8		ug/Kg		97	58 - 132	9	24
m-Xylene & p-Xylene			40.0	37.5		ug/Kg		94	77 - 120	3	20
o-Xylene			40.0	36.9		ug/Kg		92	78 - 118	4	20
Styrene			40.0	38.2		ug/Kg		96	80 - 120	2	20
1,1,2,2-Tetrachloroethane			40.0	39.3		ug/Kg		98	36 - 170	2	23
Tetrachloroethene			40.0	36.0		ug/Kg		90	71 - 121	2	21
Toluene			40.0	38.4		ug/Kg		96	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	40.6		ug/Kg		102	75 - 122	15	20
trans-1,3-Dichloropropene			40.0	38.7		ug/Kg		97	68 - 133	0	20
1,2,3-Trichlorobenzene			40.0	36.4		ug/Kg		91	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	36.0		ug/Kg		90	22 - 170	5	29
1,1,1-Trichloroethane			40.0	40.6		ug/Kg		102	72 - 134	2	20
1,1,2-Trichloroethane			40.0	38.2		ug/Kg		96	66 - 128	0	21
Trichloroethene			40.0	37.2		ug/Kg		93	69 - 118	3	20
Trichlorofluoromethane			40.0	39.9		ug/Kg		100	32 - 149	14	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	30.4		ug/Kg		76	59 - 135	19	28
Vinyl chloride			40.0	48.2	*1	ug/Kg		120	64 - 134	26	23
Xylenes, Total			80.0	74.4		ug/Kg		93	78 - 118	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-445322/4
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 445352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		44.8	51.5		ug/Kg	☼	115	23 - 170
Benzene	ND		44.8	42.9		ug/Kg	☼	96	77 - 120
Bromoform	ND		44.8	39.8		ug/Kg	☼	89	37 - 147
Bromomethane	ND		44.8	33.0		ug/Kg	☼	74	47 - 149
2-Butanone (MEK)	ND		44.8	57.4		ug/Kg	☼	128	39 - 157
Carbon disulfide	ND	F2	44.8	33.5		ug/Kg	☼	75	40 - 156
Carbon tetrachloride	ND		44.8	40.5		ug/Kg	☼	90	73 - 130
Chlorobenzene	ND		44.8	37.4		ug/Kg	☼	83	79 - 122
Chlorobromomethane	ND		44.8	43.1		ug/Kg	☼	96	64 - 128
Chlorodibromomethane	ND		44.8	40.0		ug/Kg	☼	89	60 - 134
Chloroethane	ND	F2	44.8	24.2		ug/Kg	☼	54	37 - 159
Chloroform	ND		44.8	45.3		ug/Kg	☼	101	73 - 126
Chloromethane	ND		44.8	53.6		ug/Kg	☼	120	46 - 151
cis-1,2-Dichloroethene	ND		44.8	41.9		ug/Kg	☼	93	77 - 118
cis-1,3-Dichloropropene	ND		44.8	44.6		ug/Kg	☼	100	73 - 127
Cyclohexane	ND		44.8	36.3		ug/Kg	☼	81	63 - 143
1,2-Dibromo-3-Chloropropane	ND		44.8	46.5		ug/Kg	☼	104	30 - 163
1,2-Dibromoethane	ND		44.8	43.3		ug/Kg	☼	97	59 - 137
1,2-Dichlorobenzene	ND		44.8	38.8		ug/Kg	☼	86	76 - 120
1,3-Dichlorobenzene	ND		44.8	37.1		ug/Kg	☼	83	77 - 121
1,4-Dichlorobenzene	ND		44.8	37.2		ug/Kg	☼	83	79 - 120
Dichlorobromomethane	ND		44.8	45.8		ug/Kg	☼	102	75 - 123
Dichlorodifluoromethane	ND		44.8	54.4		ug/Kg	☼	121	26 - 149
1,1-Dichloroethane	ND		44.8	42.7		ug/Kg	☼	95	73 - 124
1,2-Dichloroethane	ND		44.8	48.5		ug/Kg	☼	108	64 - 140
1,1-Dichloroethene	ND	F2	44.8	31.4		ug/Kg	☼	70	55 - 136
1,2-Dichloroethene, Total	ND		89.6	83.4		ug/Kg	☼	93	77 - 119
1,2-Dichloropropane	ND		44.8	43.7		ug/Kg	☼	98	77 - 119
1,4-Dioxane	ND		896	1200		ug/Kg	☼	134	18 - 166
Ethylbenzene	ND		44.8	37.4		ug/Kg	☼	84	79 - 119
2-Hexanone	ND		44.8	45.1		ug/Kg	☼	101	42 - 152
Isopropylbenzene	ND		44.8	38.6		ug/Kg	☼	86	70 - 125
Methyl acetate	ND		89.6	89.5		ug/Kg	☼	100	20 - 170
Methylcyclohexane	ND		44.8	38.7		ug/Kg	☼	86	70 - 125
Methylene Chloride	ND		44.8	36.4		ug/Kg	☼	81	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		44.8	41.3		ug/Kg	☼	92	51 - 147
Methyl tert-butyl ether	ND		44.8	46.3		ug/Kg	☼	103	58 - 132
m-Xylene & p-Xylene	ND		44.8	37.9		ug/Kg	☼	85	77 - 120
o-Xylene	ND		44.8	38.4		ug/Kg	☼	86	78 - 118
Styrene	ND		44.8	39.4		ug/Kg	☼	88	80 - 120
1,1,2,2-Tetrachloroethane	ND		44.8	45.6		ug/Kg	☼	102	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 445352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		44.8	36.3		ug/Kg	☼	81	71 - 121
Toluene	ND		44.8	39.4		ug/Kg	☼	88	76 - 120
trans-1,2-Dichloroethene	ND		44.8	41.5		ug/Kg	☼	93	75 - 122
trans-1,3-Dichloropropene	ND		44.8	42.2		ug/Kg	☼	94	68 - 133
1,2,3-Trichlorobenzene	ND		44.8	38.3		ug/Kg	☼	85	29 - 166
1,2,4-Trichlorobenzene	ND		44.8	37.4		ug/Kg	☼	83	22 - 170
1,1,1-Trichloroethane	ND		44.8	40.3		ug/Kg	☼	90	72 - 134
1,1,2-Trichloroethane	ND		44.8	42.8		ug/Kg	☼	95	66 - 128
Trichloroethene	ND		44.8	38.7		ug/Kg	☼	86	69 - 118
Trichlorofluoromethane	ND		44.8	36.3		ug/Kg	☼	81	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	44.8	25.0	F1	ug/Kg	☼	56	59 - 135
Vinyl chloride	ND	*1	44.8	48.4		ug/Kg	☼	108	64 - 134
Xylenes, Total	ND		89.6	76.3		ug/Kg	☼	85	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*95*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

Lab Sample ID: 180-161585-10 MSD
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 445352

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		45.4	72.2		ug/Kg	☼	159	23 - 170	33	35
Benzene	ND		45.4	46.2		ug/Kg	☼	102	77 - 120	7	20
Bromoform	ND		45.4	40.9		ug/Kg	☼	90	37 - 147	3	23
Bromomethane	ND		45.4	38.8		ug/Kg	☼	85	47 - 149	16	25
2-Butanone (MEK)	ND		45.4	62.7		ug/Kg	☼	138	39 - 157	9	33
Carbon disulfide	ND	F2	45.4	44.5	F2	ug/Kg	☼	98	40 - 156	28	25
Carbon tetrachloride	ND		45.4	41.8		ug/Kg	☼	92	73 - 130	3	21
Chlorobenzene	ND		45.4	38.8		ug/Kg	☼	86	79 - 122	4	20
Chlorobromomethane	ND		45.4	46.0		ug/Kg	☼	101	64 - 128	7	20
Chlorodibromomethane	ND		45.4	42.9		ug/Kg	☼	95	60 - 134	7	40
Chloroethane	ND	F2	45.4	32.8	F2	ug/Kg	☼	72	37 - 159	30	25
Chloroform	ND		45.4	49.1		ug/Kg	☼	108	73 - 126	8	20
Chloromethane	ND		45.4	50.0		ug/Kg	☼	110	46 - 151	7	33
cis-1,2-Dichloroethene	ND		45.4	45.3		ug/Kg	☼	100	77 - 118	8	20
cis-1,3-Dichloropropene	ND		45.4	48.4		ug/Kg	☼	107	73 - 127	8	20
Cyclohexane	ND		45.4	38.6		ug/Kg	☼	85	63 - 143	6	25
1,2-Dibromo-3-Chloropropane	ND		45.4	46.6		ug/Kg	☼	103	30 - 163	0	34
1,2-Dibromoethane	ND		45.4	45.2		ug/Kg	☼	100	59 - 137	4	20
1,2-Dichlorobenzene	ND		45.4	42.9		ug/Kg	☼	94	76 - 120	10	20
1,3-Dichlorobenzene	ND		45.4	40.4		ug/Kg	☼	89	77 - 121	9	20
1,4-Dichlorobenzene	ND		45.4	41.2		ug/Kg	☼	91	79 - 120	10	20
Dichlorobromomethane	ND		45.4	48.5		ug/Kg	☼	107	75 - 123	6	20
Dichlorodifluoromethane	ND		45.4	51.1		ug/Kg	☼	112	26 - 149	6	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-161585-10 MSD
Matrix: Solid
Analysis Batch: 445322

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 445352

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		45.4	46.4		ug/Kg	☼	102	73 - 124	8	20
1,2-Dichloroethane	ND		45.4	50.3		ug/Kg	☼	111	64 - 140	4	20
1,1-Dichloroethene	ND	F2	45.4	42.5	F2	ug/Kg	☼	94	55 - 136	30	21
1,2-Dichloroethene, Total	ND		90.8	88.6		ug/Kg	☼	98	77 - 119	6	20
1,2-Dichloropropane	ND		45.4	47.5		ug/Kg	☼	105	77 - 119	8	20
1,4-Dioxane	ND		908	1070	J	ug/Kg	☼	118	18 - 166	11	40
Ethylbenzene	ND		45.4	39.6		ug/Kg	☼	87	79 - 119	6	20
2-Hexanone	ND		45.4	53.6		ug/Kg	☼	118	42 - 152	17	30
Isopropylbenzene	ND		45.4	39.8		ug/Kg	☼	88	70 - 125	3	21
Methyl acetate	ND		90.8	116		ug/Kg	☼	128	20 - 170	26	33
Methylcyclohexane	ND		45.4	39.4		ug/Kg	☼	87	70 - 125	2	22
Methylene Chloride	ND		45.4	48.2		ug/Kg	☼	106	67 - 131	28	32
4-Methyl-2-pentanone (MIBK)	ND		45.4	43.5		ug/Kg	☼	96	51 - 147	5	27
Methyl tert-butyl ether	ND		45.4	50.2		ug/Kg	☼	110	58 - 132	8	24
m-Xylene & p-Xylene	ND		45.4	39.6		ug/Kg	☼	87	77 - 120	4	20
o-Xylene	ND		45.4	40.1		ug/Kg	☼	88	78 - 118	4	20
Styrene	ND		45.4	41.7		ug/Kg	☼	92	80 - 120	6	20
1,1,2,2-Tetrachloroethane	ND		45.4	46.0		ug/Kg	☼	101	36 - 170	1	23
Tetrachloroethene	ND		45.4	36.8		ug/Kg	☼	81	71 - 121	1	21
Toluene	ND		45.4	41.0		ug/Kg	☼	90	76 - 120	4	20
trans-1,2-Dichloroethene	ND		45.4	43.3		ug/Kg	☼	95	75 - 122	4	20
trans-1,3-Dichloropropene	ND		45.4	43.7		ug/Kg	☼	96	68 - 133	3	20
1,2,3-Trichlorobenzene	ND		45.4	42.1		ug/Kg	☼	93	29 - 166	10	40
1,2,4-Trichlorobenzene	ND		45.4	40.6		ug/Kg	☼	89	22 - 170	8	29
1,1,1-Trichloroethane	ND		45.4	43.6		ug/Kg	☼	96	72 - 134	8	20
1,1,2-Trichloroethane	ND		45.4	44.6		ug/Kg	☼	98	66 - 128	4	21
Trichloroethene	ND		45.4	40.2		ug/Kg	☼	88	69 - 118	4	20
Trichlorofluoromethane	ND		45.4	37.7		ug/Kg	☼	83	32 - 149	4	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	45.4	34.6	F2	ug/Kg	☼	76	59 - 135	32	28
Vinyl chloride	ND	*1	45.4	43.8		ug/Kg	☼	96	64 - 134	10	23
Xylenes, Total	ND		90.8	79.7		ug/Kg	☼	88	78 - 118	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*90*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-445863/1-A
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Acenaphthylene	ND		67	15	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Acetophenone	ND		670	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-445863/1-A
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Atrazine	ND		670	150	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Benzaldehyde	ND		670	41	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Benzo[a]anthracene	ND		67	30	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Benzo[a]pyrene	ND		67	29	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
1,1'-Biphenyl	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Caprolactam	ND		1700	220	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Carbazole	ND		67	16	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4-Chloroaniline	ND		330	88	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2-Chloronaphthalene	ND		67	15	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2-Chlorophenol	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Chrysene	ND		67	37	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Dibenzofuran	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Diethyl phthalate	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Dimethyl phthalate	ND		330	130	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
1,4-Dioxane	ND		670	100	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Fluoranthene	ND		67	18	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Fluorene	ND		67	13	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Hexachlorobenzene	ND		67	24	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Hexachlorobutadiene	ND		67	20	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Hexachloroethane	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Isophorone	ND		330	130	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2-Methylnaphthalene	ND		67	16	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2-Methylphenol	ND		330	96	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Naphthalene	ND		67	13	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2-Nitroaniline	ND		1700	150	ug/Kg		09/08/23 06:41	09/08/23 11:30	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-445863/1-A
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4-Nitroaniline	ND		1700	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Nitrobenzene	ND		670	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2-Nitrophenol	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
4-Nitrophenol	ND		1700	230	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Pentachlorophenol	ND		1700	540	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Phenanthrene	ND		67	18	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Phenol	ND		330	100	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
Pyrene	ND		67	16	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		09/08/23 06:41	09/08/23 11:30	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		09/08/23 06:41	09/08/23 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*09/08/23 06:41*	*09/08/23 11:30*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*09/08/23 06:41*	*09/08/23 11:30*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*09/08/23 06:41*	*09/08/23 11:30*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*09/08/23 06:41*	*09/08/23 11:30*	*1*
Terphenyl-d14 (Surr)	*58*		*39 - 105*	*09/08/23 06:41*	*09/08/23 11:30*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*	*09/08/23 06:41*	*09/08/23 11:30*	*1*

Lab Sample ID: LCS 180-445863/2-A
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4130		ug/Kg		62	50 - 100
Acenaphthylene	6670	4340		ug/Kg		65	52 - 100
Acetophenone	6670	4040		ug/Kg		61	48 - 100
Anthracene	6670	4090		ug/Kg		61	53 - 100
Atrazine	6670	3590		ug/Kg		54	49 - 103
Benzaldehyde	6670	4910		ug/Kg		74	23 - 105
Benzo[a]anthracene	6670	4170		ug/Kg		63	51 - 100
Benzo[a]pyrene	6670	4410		ug/Kg		66	51 - 100
Benzo[b]fluoranthene	6670	3760		ug/Kg		56	48 - 100
Benzo[g,h,i]perylene	6670	3840		ug/Kg		58	48 - 105
Benzo[k]fluoranthene	6670	4080		ug/Kg		61	19 - 100
1,1'-Biphenyl	6670	4070		ug/Kg		61	50 - 100
Bis(2-chloroethoxy)methane	6670	3810		ug/Kg		57	49 - 100
Bis(2-chloroethyl)ether	6670	3680		ug/Kg		55	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4210		ug/Kg		63	53 - 107
4-Bromophenyl phenyl ether	6670	4580		ug/Kg		69	52 - 101
Butyl benzyl phthalate	6670	4430		ug/Kg		66	52 - 107
Caprolactam	6670	4320		ug/Kg		65	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-445863/2-A
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	3950		ug/Kg		59	53 - 100
4-Chloroaniline	6670	4020		ug/Kg		60	47 - 100
4-Chloro-3-methylphenol	6670	4270		ug/Kg		64	49 - 106
2-Chloronaphthalene	6670	3880		ug/Kg		58	51 - 100
2-Chlorophenol	6670	4180		ug/Kg		63	51 - 100
4-Chlorophenyl phenyl ether	6670	4280		ug/Kg		64	52 - 100
Chrysene	6670	4250		ug/Kg		64	50 - 100
Dibenz(a,h)anthracene	6670	4050		ug/Kg		61	50 - 107
Dibenzofuran	6670	4020		ug/Kg		60	52 - 100
3,3'-Dichlorobenzidine	6670	4410		ug/Kg		66	43 - 100
2,4-Dichlorophenol	6670	4440		ug/Kg		67	53 - 101
Diethyl phthalate	6670	4150		ug/Kg		62	48 - 104
2,4-Dimethylphenol	6670	3470		ug/Kg		52	51 - 101
Dimethyl phthalate	6670	4150		ug/Kg		62	53 - 100
Di-n-butyl phthalate	6670	4120		ug/Kg		62	57 - 102
4,6-Dinitro-2-methylphenol	13300	9350		ug/Kg		70	51 - 100
2,4-Dinitrophenol	13300	8820		ug/Kg		66	33 - 101
2,4-Dinitrotoluene	6670	4500		ug/Kg		67	54 - 104
2,6-Dinitrotoluene	6670	4180		ug/Kg		63	51 - 106
Di-n-octyl phthalate	6670	3840		ug/Kg		58	41 - 106
1,4-Dioxane	6670	3820		ug/Kg		57	25 - 125
Fluoranthene	6670	4150		ug/Kg		62	55 - 100
Fluorene	6670	4080		ug/Kg		61	52 - 100
Hexachlorobenzene	6670	4480		ug/Kg		67	49 - 100
Hexachlorobutadiene	6670	4800		ug/Kg		72	38 - 107
Hexachlorocyclopentadiene	6670	3230		ug/Kg		48	33 - 117
Hexachloroethane	6670	4130		ug/Kg		62	47 - 100
Indeno[1,2,3-cd]pyrene	6670	3970		ug/Kg		60	51 - 103
Isophorone	6670	4110		ug/Kg		62	48 - 105
2-Methylnaphthalene	6670	4450		ug/Kg		67	53 - 100
2-Methylphenol	6670	3890		ug/Kg		58	50 - 101
Methylphenol, 3 & 4	6670	4080		ug/Kg		61	50 - 103
Naphthalene	6670	4070		ug/Kg		61	51 - 100
2-Nitroaniline	6670	3960		ug/Kg		59	42 - 123
3-Nitroaniline	6670	4040		ug/Kg		61	50 - 103
4-Nitroaniline	6670	3870		ug/Kg		58	52 - 103
Nitrobenzene	6670	3930		ug/Kg		59	44 - 108
2-Nitrophenol	6670	4610		ug/Kg		69	55 - 107
4-Nitrophenol	13300	7540		ug/Kg		57	30 - 134
N-Nitrosodi-n-propylamine	6670	4110		ug/Kg		62	45 - 107
N-Nitrosodiphenylamine	6670	4070		ug/Kg		61	52 - 100
2,2'-oxybis[1-chloropropane]	6670	3870		ug/Kg		58	30 - 113
Pentachlorophenol	13300	8400		ug/Kg		63	42 - 110
Phenanthrene	6670	3910		ug/Kg		59	53 - 100
Phenol	6670	3880		ug/Kg		58	49 - 100
Pyrene	6670	4360		ug/Kg		65	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4340		ug/Kg		65	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4480		ug/Kg		67	47 - 104
2,4,5-Trichlorophenol	6670	4100		ug/Kg		62	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-445863/2-A
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445863

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	4540		ug/Kg		68	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*44 - 105*
2-Fluorophenol (Surr)	*64*		*48 - 105*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*
Phenol-d5 (Surr)	*58*		*46 - 105*
Terphenyl-d14 (Surr)	*62*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 445906

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 445863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7860	5740		ug/Kg	☼	73	50 - 100		
Acenaphthylene	ND		7860	6070		ug/Kg	☼	77	52 - 100		
Acetophenone	ND		7860	5820		ug/Kg	☼	74	48 - 100		
Anthracene	ND		7860	5920		ug/Kg	☼	75	53 - 100		
Atrazine	ND		7860	5900		ug/Kg	☼	75	49 - 103		
Benzaldehyde	ND	F1	7860	672	J F1	ug/Kg	☼	9	23 - 105		
Benzo[a]anthracene	ND		7860	6060		ug/Kg	☼	77	51 - 100		
Benzo[a]pyrene	ND		7860	6370		ug/Kg	☼	81	51 - 100		
Benzo[b]fluoranthene	32	J	7860	5720		ug/Kg	☼	72	48 - 100		
Benzo[g,h,i]perylene	22	J	7860	6940		ug/Kg	☼	88	48 - 105		
Benzo[k]fluoranthene	ND		7860	5520		ug/Kg	☼	70	19 - 100		
1,1'-Biphenyl	ND		7860	5660		ug/Kg	☼	72	50 - 100		
Bis(2-chloroethoxy)methane	ND		7860	5270		ug/Kg	☼	67	49 - 100		
Bis(2-chloroethyl)ether	ND		7860	4970		ug/Kg	☼	63	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7860	7050		ug/Kg	☼	90	53 - 107		
4-Bromophenyl phenyl ether	ND		7860	6450		ug/Kg	☼	82	52 - 101		
Butyl benzyl phthalate	ND		7860	7230		ug/Kg	☼	92	52 - 107		
Caprolactam	ND		7860	6540		ug/Kg	☼	83	48 - 111		
Carbazole	ND		7860	5860		ug/Kg	☼	75	53 - 100		
4-Chloroaniline	ND		7860	5530		ug/Kg	☼	70	47 - 100		
4-Chloro-3-methylphenol	ND		7860	6350		ug/Kg	☼	81	49 - 106		
2-Chloronaphthalene	ND		7860	5410		ug/Kg	☼	69	51 - 100		
2-Chlorophenol	ND		7860	6010		ug/Kg	☼	76	51 - 100		
4-Chlorophenyl phenyl ether	ND		7860	6160		ug/Kg	☼	78	52 - 100		
Chrysene	ND		7860	6160		ug/Kg	☼	78	50 - 100		
Dibenz(a,h)anthracene	ND		7860	6660		ug/Kg	☼	85	50 - 107		
Dibenzofuran	ND		7860	5760		ug/Kg	☼	73	52 - 100		
3,3'-Dichlorobenzidine	ND		7860	5810		ug/Kg	☼	74	43 - 100		
2,4-Dichlorophenol	ND		7860	6340		ug/Kg	☼	81	53 - 101		
Diethyl phthalate	ND		7860	6260		ug/Kg	☼	80	48 - 104		
2,4-Dimethylphenol	ND		7860	4470		ug/Kg	☼	57	51 - 101		
Dimethyl phthalate	ND		7860	6080		ug/Kg	☼	77	53 - 100		
Di-n-butyl phthalate	ND		7860	6210		ug/Kg	☼	79	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161585-10 MS
Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445906
Prep Batch: 445863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		15700	10600		ug/Kg	☼	67	51 - 100
2,4-Dinitrophenol	ND		15700	8110		ug/Kg	☼	52	33 - 101
2,4-Dinitrotoluene	ND		7860	6780		ug/Kg	☼	86	54 - 104
2,6-Dinitrotoluene	ND		7860	6150		ug/Kg	☼	78	51 - 106
Di-n-octyl phthalate	ND		7860	6110		ug/Kg	☼	78	41 - 106
1,4-Dioxane	ND		7860	4970		ug/Kg	☼	63	25 - 125
Fluoranthene	34	J	7860	5700		ug/Kg	☼	72	55 - 100
Fluorene	ND		7860	5940		ug/Kg	☼	76	52 - 100
Hexachlorobenzene	ND		7860	6280		ug/Kg	☼	80	49 - 100
Hexachlorobutadiene	ND		7860	6140		ug/Kg	☼	78	38 - 107
Hexachlorocyclopentadiene	ND		7860	3270		ug/Kg	☼	42	33 - 117
Hexachloroethane	ND		7860	5630		ug/Kg	☼	72	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7860	6710		ug/Kg	☼	85	51 - 103
Isophorone	ND		7860	5830		ug/Kg	☼	74	48 - 105
2-Methylnaphthalene	20	J	7860	6260		ug/Kg	☼	79	53 - 100
2-Methylphenol	ND		7860	5690		ug/Kg	☼	72	50 - 101
Methylphenol, 3 & 4	ND		7860	5790		ug/Kg	☼	74	50 - 103
Naphthalene	20	J	7860	5750		ug/Kg	☼	73	51 - 100
2-Nitroaniline	ND		7860	5640		ug/Kg	☼	72	42 - 123
3-Nitroaniline	ND		7860	6230		ug/Kg	☼	79	50 - 103
4-Nitroaniline	ND		7860	5970		ug/Kg	☼	76	52 - 103
Nitrobenzene	ND		7860	5350		ug/Kg	☼	68	44 - 108
2-Nitrophenol	ND		7860	6480		ug/Kg	☼	82	55 - 107
4-Nitrophenol	ND		15700	11300		ug/Kg	☼	72	30 - 134
N-Nitrosodi-n-propylamine	ND		7860	5880		ug/Kg	☼	75	45 - 107
N-Nitrosodiphenylamine	ND		7860	5820		ug/Kg	☼	74	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7860	5410		ug/Kg	☼	69	30 - 113
Pentachlorophenol	ND		15700	11000		ug/Kg	☼	70	42 - 110
Phenanthrene	31	J	7860	5760		ug/Kg	☼	73	53 - 100
Phenol	ND		7860	5600		ug/Kg	☼	71	49 - 100
Pyrene	47	J	7860	6840		ug/Kg	☼	86	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7860	5770		ug/Kg	☼	73	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7860	6650		ug/Kg	☼	85	47 - 104
2,4,5-Trichlorophenol	ND		7860	5920		ug/Kg	☼	75	50 - 104
2,4,6-Trichlorophenol	ND		7860	6230		ug/Kg	☼	79	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*44 - 105*
2-Fluorophenol (Surr)	*85*		*48 - 105*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*
Phenol-d5 (Surr)	*85*		*46 - 105*
Terphenyl-d14 (Surr)	*100*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*104*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161585-10 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445906
Prep Batch: 445863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7860	5670		ug/Kg	☼	72	50 - 100	1	20
Acenaphthylene	ND		7860	5860		ug/Kg	☼	75	52 - 100	3	20
Acetophenone	ND		7860	5320		ug/Kg	☼	68	48 - 100	9	17
Anthracene	ND		7860	5630		ug/Kg	☼	72	53 - 100	5	20
Atrazine	ND		7860	5710		ug/Kg	☼	73	49 - 103	3	19
Benzaldehyde	ND	F1	7860	667	J F1	ug/Kg	☼	8	23 - 105	1	31
Benzo[a]anthracene	ND		7860	5830		ug/Kg	☼	74	51 - 100	4	21
Benzo[a]pyrene	ND		7860	6080		ug/Kg	☼	77	51 - 100	5	20
Benzo[b]fluoranthene	32	J	7860	5190		ug/Kg	☼	66	48 - 100	10	20
Benzo[g,h,i]perylene	22	J	7860	6680		ug/Kg	☼	85	48 - 105	4	19
Benzo[k]fluoranthene	ND		7860	5610		ug/Kg	☼	71	19 - 100	2	20
1,1'-Biphenyl	ND		7860	5580		ug/Kg	☼	71	50 - 100	2	19
Bis(2-chloroethoxy)methane	ND		7860	5290		ug/Kg	☼	67	49 - 100	0	20
Bis(2-chloroethyl)ether	ND		7860	4700		ug/Kg	☼	60	48 - 100	6	18
Bis(2-ethylhexyl) phthalate	ND		7860	6870		ug/Kg	☼	87	53 - 107	3	20
4-Bromophenyl phenyl ether	ND		7860	6110		ug/Kg	☼	78	52 - 101	5	20
Butyl benzyl phthalate	ND		7860	7010		ug/Kg	☼	89	52 - 107	3	19
Caprolactam	ND		7860	6420		ug/Kg	☼	82	48 - 111	2	23
Carbazole	ND		7860	5510		ug/Kg	☼	70	53 - 100	6	20
4-Chloroaniline	ND		7860	5360		ug/Kg	☼	68	47 - 100	3	20
4-Chloro-3-methylphenol	ND		7860	6080		ug/Kg	☼	77	49 - 106	4	20
2-Chloronaphthalene	ND		7860	5300		ug/Kg	☼	67	51 - 100	2	20
2-Chlorophenol	ND		7860	5510		ug/Kg	☼	70	51 - 100	9	17
4-Chlorophenyl phenyl ether	ND		7860	5960		ug/Kg	☼	76	52 - 100	3	19
Chrysene	ND		7860	5920		ug/Kg	☼	75	50 - 100	4	20
Dibenz(a,h)anthracene	ND		7860	6400		ug/Kg	☼	81	50 - 107	4	21
Dibenzofuran	ND		7860	5630		ug/Kg	☼	72	52 - 100	2	19
3,3'-Dichlorobenzidine	ND		7860	5680		ug/Kg	☼	72	43 - 100	2	19
2,4-Dichlorophenol	ND		7860	6110		ug/Kg	☼	78	53 - 101	4	22
Diethyl phthalate	ND		7860	6070		ug/Kg	☼	77	48 - 104	3	20
2,4-Dimethylphenol	ND		7860	4340		ug/Kg	☼	55	51 - 101	3	32
Dimethyl phthalate	ND		7860	5930		ug/Kg	☼	75	53 - 100	2	21
Di-n-butyl phthalate	ND		7860	5820		ug/Kg	☼	74	57 - 102	7	20
4,6-Dinitro-2-methylphenol	ND		15700	10500		ug/Kg	☼	67	51 - 100	0	22
2,4-Dinitrophenol	ND		15700	8390		ug/Kg	☼	53	33 - 101	3	20
2,4-Dinitrotoluene	ND		7860	6740		ug/Kg	☼	86	54 - 104	1	20
2,6-Dinitrotoluene	ND		7860	5960		ug/Kg	☼	76	51 - 106	3	20
Di-n-octyl phthalate	ND		7860	5930		ug/Kg	☼	75	41 - 106	3	18
1,4-Dioxane	ND		7860	4840		ug/Kg	☼	62	25 - 125	3	17
Fluoranthene	34	J	7860	5400		ug/Kg	☼	68	55 - 100	5	20
Fluorene	ND		7860	5730		ug/Kg	☼	73	52 - 100	4	19
Hexachlorobenzene	ND		7860	6000		ug/Kg	☼	76	49 - 100	5	20
Hexachlorobutadiene	ND		7860	5990		ug/Kg	☼	76	38 - 107	2	22
Hexachlorocyclopentadiene	ND		7860	3250		ug/Kg	☼	41	33 - 117	1	19
Hexachloroethane	ND		7860	5270		ug/Kg	☼	67	47 - 100	7	17
Indeno[1,2,3-cd]pyrene	ND		7860	6450		ug/Kg	☼	82	51 - 103	4	19
Isophorone	ND		7860	5730		ug/Kg	☼	73	48 - 105	2	20
2-Methylnaphthalene	20	J	7860	6060		ug/Kg	☼	77	53 - 100	3	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-161585-10 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445906
Prep Batch: 445863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7860	5000		ug/Kg	☼	64	50 - 101	13	17
Methylphenol, 3 & 4	ND		7860	5280		ug/Kg	☼	67	50 - 103	9	19
Naphthalene	20	J	7860	5600		ug/Kg	☼	71	51 - 100	3	20
2-Nitroaniline	ND		7860	5640		ug/Kg	☼	72	42 - 123	0	19
3-Nitroaniline	ND		7860	6000		ug/Kg	☼	76	50 - 103	4	20
4-Nitroaniline	ND		7860	5760		ug/Kg	☼	73	52 - 103	4	18
Nitrobenzene	ND		7860	5310		ug/Kg	☼	68	44 - 108	1	21
2-Nitrophenol	ND		7860	6330		ug/Kg	☼	81	55 - 107	2	19
4-Nitrophenol	ND		15700	10800		ug/Kg	☼	69	30 - 134	5	18
N-Nitrosodi-n-propylamine	ND		7860	5290		ug/Kg	☼	67	45 - 107	11	18
N-Nitrosodiphenylamine	ND		7860	5470		ug/Kg	☼	70	52 - 100	6	20
2,2'-oxybis[1-chloropropane]	ND		7860	4930		ug/Kg	☼	63	30 - 113	9	17
Pentachlorophenol	ND		15700	10300		ug/Kg	☼	66	42 - 110	7	20
Phenanthrene	31	J	7860	5380		ug/Kg	☼	68	53 - 100	7	20
Phenol	ND		7860	5180		ug/Kg	☼	66	49 - 100	8	16
Pyrene	47	J	7860	6680		ug/Kg	☼	84	52 - 100	2	20
1,2,4,5-Tetrachlorobenzene	ND		7860	5610		ug/Kg	☼	71	41 - 104	3	21
2,3,4,6-Tetrachlorophenol	ND		7860	6180		ug/Kg	☼	79	47 - 104	7	18
2,4,5-Trichlorophenol	ND		7860	5730		ug/Kg	☼	73	50 - 104	3	21
2,4,6-Trichlorophenol	ND		7860	6050		ug/Kg	☼	77	50 - 105	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*44 - 105*
2-Fluorophenol (Surr)	*79*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*78*		*46 - 105*
Terphenyl-d14 (Surr)	*96*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*95*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-446264/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 446363
Prep Batch: 446264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1221	ND		17	5.9	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1232	ND		17	4.1	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1242	ND		17	2.4	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1248	ND		17	4.0	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1254	ND		17	5.0	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1260	ND		17	4.7	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1262	ND		17	5.9	ug/Kg		09/12/23 17:00	09/13/23 13:03	1
PCB-1268	ND		17	2.2	ug/Kg		09/12/23 17:00	09/13/23 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*09/12/23 17:00*	*09/13/23 13:03*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-446264/1-C
Matrix: Solid
Analysis Batch: 446363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446264

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	95		63 - 138	09/12/23 17:00	09/13/23 13:03	1
Tetrachloro-m-xylene (Surr)	89		55 - 135	09/12/23 17:00	09/13/23 13:03	1
Tetrachloro-m-xylene (Surr)	89		55 - 135	09/12/23 17:00	09/13/23 13:03	1

Lab Sample ID: LCS 180-446264/2-C
Matrix: Solid
Analysis Batch: 446363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1030		ug/Kg		77	43 - 136		
PCB-1260			1330	990		ug/Kg		74	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	99		63 - 138
DCB Decachlorobiphenyl (Surr)	96		63 - 138
Tetrachloro-m-xylene (Surr)	87		55 - 135
Tetrachloro-m-xylene (Surr)	88		55 - 135

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 446363

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 446264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND	F2	3160	2960		ug/Kg	☼	94	43 - 136		
PCB-1260	ND	F2	3160	2690		ug/Kg	☼	85	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	105		63 - 138
DCB Decachlorobiphenyl (Surr)	121		63 - 138
Tetrachloro-m-xylene (Surr)	102		55 - 135
Tetrachloro-m-xylene (Surr)	106		55 - 135

Lab Sample ID: 180-161585-10 MSD
Matrix: Solid
Analysis Batch: 446363

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 446264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND	F2	1560	1310	F2	ug/Kg	☼	84	43 - 136	77	40
PCB-1260	ND	F2	1560	1150	F2	ug/Kg	☼	73	55 - 128	81	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	95		63 - 138
DCB Decachlorobiphenyl (Surr)	88		63 - 138
Tetrachloro-m-xylene (Surr)	84		55 - 135
Tetrachloro-m-xylene (Surr)	87		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-445188/1-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		18	4.5	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Antimony	ND		0.91	0.28	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Arsenic	ND		0.91	0.57	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Barium	ND		18	3.2	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Beryllium	ND		0.36	0.099	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Cadmium	ND		0.45	0.067	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Calcium	ND		450	59	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Chromium	ND		0.45	0.41	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Cobalt	ND		4.5	0.64	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Copper	ND		2.3	1.4	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Iron	ND		9.1	8.9	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Lead	ND		0.91	0.79	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Magnesium	ND		450	50	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Manganese	ND		1.4	0.25	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Nickel	ND		3.6	0.46	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Potassium	ND		450	77	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Selenium	ND		0.91	0.42	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Silver	ND		0.45	0.095	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Sodium	ND		450	47	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Thallium	ND		1.8	0.26	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Vanadium	ND		4.5	0.72	mg/Kg		08/31/23 08:00	10/04/23 19:44	1
Zinc	ND		1.8	1.3	mg/Kg		08/31/23 08:00	10/04/23 19:44	1

Lab Sample ID: LCS 180-445188/2-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	481	530		mg/Kg		110	80 - 120
Antimony	24.0	26.0		mg/Kg		108	80 - 120
Arsenic	96.2	101		mg/Kg		105	80 - 120
Barium	96.2	99.6		mg/Kg		104	80 - 120
Beryllium	48.1	51.0		mg/Kg		106	80 - 120
Cadmium	48.1	51.2		mg/Kg		107	80 - 120
Calcium	2400	2560		mg/Kg		106	80 - 120
Chromium	48.1	48.7		mg/Kg		101	80 - 120
Cobalt	48.1	47.4		mg/Kg		99	80 - 120
Copper	48.1	49.3		mg/Kg		103	80 - 120
Iron	481	520		mg/Kg		108	80 - 120
Lead	48.1	48.4		mg/Kg		101	80 - 120
Magnesium	2400	2620		mg/Kg		109	80 - 120
Manganese	48.1	49.1		mg/Kg		102	80 - 120
Nickel	48.1	46.9		mg/Kg		97	80 - 120
Potassium	2400	2560		mg/Kg		107	80 - 120
Selenium	96.2	104		mg/Kg		108	80 - 120
Silver	24.0	23.7		mg/Kg		98	80 - 120
Sodium	2400	2590		mg/Kg		108	80 - 120
Thallium	96.2	97.9		mg/Kg		102	80 - 120
Vanadium	48.1	49.8		mg/Kg		104	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-445188/2-A
Matrix: Solid
Analysis Batch: 448421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	24.0	25.0		mg/Kg		104	80 - 120

Lab Sample ID: MB 180-448344/1-A
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448344

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Antimony	ND		1.0	0.30	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Arsenic	ND		1.0	0.63	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Barium	ND		20	3.6	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Beryllium	ND		0.40	0.11	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Cadmium	ND		0.50	0.073	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Calcium	ND		500	65	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Chromium	ND		0.50	0.46	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Cobalt	ND		5.0	0.70	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Copper	ND		2.5	1.5	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Iron	ND		10	9.7	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Lead	ND		1.0	0.87	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Magnesium	ND		500	55	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Manganese	ND		1.5	0.28	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Nickel	ND		4.0	0.50	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Potassium	ND		500	85	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Selenium	ND		1.0	0.46	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Silver	ND		0.50	0.10	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Sodium	ND		500	51	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Thallium	ND		2.0	0.28	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Vanadium	ND		5.0	0.79	mg/Kg		10/05/23 09:53	10/05/23 15:50	1
Zinc	ND		2.0	1.5	mg/Kg		10/05/23 09:53	10/05/23 15:50	1

Lab Sample ID: LCS 180-448344/2-A
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448344

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	488		mg/Kg		98	80 - 120
Antimony	25.0	24.2		mg/Kg		97	80 - 120
Arsenic	100	94.3		mg/Kg		94	80 - 120
Barium	100	93.4		mg/Kg		93	80 - 120
Beryllium	50.0	48.5		mg/Kg		97	80 - 120
Cadmium	50.0	48.4		mg/Kg		97	80 - 120
Calcium	2500	2410		mg/Kg		96	80 - 120
Chromium	50.0	45.4		mg/Kg		91	80 - 120
Cobalt	50.0	44.3		mg/Kg		89	80 - 120
Copper	50.0	46.4		mg/Kg		93	80 - 120
Iron	500	493		mg/Kg		99	80 - 120
Lead	50.0	45.5		mg/Kg		91	80 - 120
Magnesium	2500	2480		mg/Kg		99	80 - 120
Manganese	50.0	47.1		mg/Kg		94	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-448344/2-A
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448344

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	50.0	44.1		mg/Kg		88	80 - 120
Potassium	2500	2340		mg/Kg		93	80 - 120
Selenium	100	96.9		mg/Kg		97	80 - 120
Silver	25.0	22.3		mg/Kg		89	80 - 120
Sodium	2500	2380		mg/Kg		95	80 - 120
Thallium	100	90.5		mg/Kg		90	80 - 120
Vanadium	50.0	46.6		mg/Kg		93	80 - 120
Zinc	25.0	23.3		mg/Kg		93	80 - 120

Lab Sample ID: 180-161585-10 MS
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 448344

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	9200		543	10300	4	mg/Kg	☼	192	75 - 125
Antimony	ND	F1	27.1	9.67	F1	mg/Kg	☼	36	75 - 125
Arsenic	10		109	103		mg/Kg	☼	85	75 - 125
Barium	84		109	174		mg/Kg	☼	83	75 - 125
Beryllium	0.42		54.3	48.4		mg/Kg	☼	88	75 - 125
Cadmium	0.26	J	54.3	48.4		mg/Kg	☼	89	75 - 125
Calcium	2200	F1 F2	2710	5580		mg/Kg	☼	125	75 - 125
Chromium	9.3		54.3	56.0		mg/Kg	☼	86	75 - 125
Cobalt	5.9		54.3	54.4		mg/Kg	☼	89	75 - 125
Copper	33		54.3	80.1		mg/Kg	☼	87	75 - 125
Iron	18000		543	17600	4	mg/Kg	☼	-150	75 - 125
Lead	27		54.3	83.3		mg/Kg	☼	104	75 - 125
Magnesium	2400		2710	5200		mg/Kg	☼	105	75 - 125
Manganese	460		54.3	494	4	mg/Kg	☼	53	75 - 125
Nickel	15		54.3	63.0		mg/Kg	☼	89	75 - 125
Potassium	540		2710	2930		mg/Kg	☼	88	75 - 125
Selenium	ND		109	98.6		mg/Kg	☼	91	75 - 125
Silver	ND		27.1	22.0		mg/Kg	☼	81	75 - 125
Sodium	57	J	2710	2550		mg/Kg	☼	92	75 - 125
Thallium	0.46	J	109	97.6		mg/Kg	☼	89	75 - 125
Vanadium	13		54.3	62.1		mg/Kg	☼	90	75 - 125
Zinc	87	F1	27.1	104	F1	mg/Kg	☼	61	75 - 125

Lab Sample ID: 180-161585-10 MSD
Matrix: Solid
Analysis Batch: 448513

Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Prep Type: Total/NA
Prep Batch: 448344

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	9200		543	9700	4	mg/Kg	☼	84	75 - 125	6	20
Antimony	ND	F1	27.1	8.73	F1	mg/Kg	☼	32	75 - 125	10	20
Arsenic	10		109	98.9		mg/Kg	☼	82	75 - 125	4	20
Barium	84		109	166		mg/Kg	☼	76	75 - 125	5	20
Beryllium	0.42		54.3	46.7		mg/Kg	☼	85	75 - 125	3	20
Cadmium	0.26	J	54.3	46.5		mg/Kg	☼	85	75 - 125	4	20
Calcium	2200	F1 F2	2710	9580	F1 F2	mg/Kg	☼	273	75 - 125	53	20

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-161585-10 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448513
Prep Batch: 448344

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	9.3		54.3	53.5		mg/Kg	☼	81	75 - 125	4	20
Cobalt	5.9		54.3	51.9		mg/Kg	☼	85	75 - 125	5	20
Copper	33		54.3	79.4		mg/Kg	☼	86	75 - 125	1	20
Iron	18000		543	16500	4	mg/Kg	☼	-340	75 - 125	6	20
Lead	27		54.3	80.3		mg/Kg	☼	99	75 - 125	4	20
Magnesium	2400		2710	4790		mg/Kg	☼	90	75 - 125	8	20
Manganese	460		54.3	490	4	mg/Kg	☼	45	75 - 125	1	20
Nickel	15		54.3	60.1		mg/Kg	☼	84	75 - 125	5	20
Potassium	540		2710	2740		mg/Kg	☼	81	75 - 125	7	20
Selenium	ND		109	96.3		mg/Kg	☼	89	75 - 125	2	20
Silver	ND		27.1	21.2		mg/Kg	☼	78	75 - 125	4	20
Sodium	57	J	2710	2370		mg/Kg	☼	85	75 - 125	7	20
Thallium	0.46	J	109	93.5		mg/Kg	☼	86	75 - 125	4	20
Vanadium	13		54.3	58.7		mg/Kg	☼	84	75 - 125	6	20
Zinc	87	F1	27.1	104	F1	mg/Kg	☼	62	75 - 125	0	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-445214/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445375
Prep Batch: 445214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		08/31/23 11:30	09/01/23 12:40	1

Lab Sample ID: LCS 180-445214/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445375
Prep Batch: 445214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.370		mg/Kg		89	80 - 120

Lab Sample ID: 180-161585-10 MS
Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445375
Prep Batch: 445214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.045		0.176	0.196		mg/Kg	☼	86	80 - 120

Lab Sample ID: 180-161585-10 MSD
Client Sample ID: SSHS-IRM5A2-A8PH3-B26
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445375
Prep Batch: 445214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.045		0.176	0.217		mg/Kg	☼	98	80 - 120	10	20

Client: Geosyntec Consultants Inc
Job ID: 180-161585-1
Project/Site: Former Sperry Remington-Documentation

Method: 2540G - SM 2540G

Lab Sample ID: 180-161585-2 DU
Client Sample ID: SSHS-IRM5A2-A8PH3-S45
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445386

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.8			13.6		%				6	10
Percent Solids	87.2			86.4		%				1	10

Lab Sample ID: 180-161585-12 DU
Client Sample ID: SSHS-IRM5A2-DUP315
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 445386

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	17.4			18.3		%				5	10
Percent Solids	82.6			81.7		%				1	10

GC/MS VOA

Analysis Batch: 445322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	EPA 8260C	445352
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	EPA 8260C	445352
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	EPA 8260C	445352
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	EPA 8260C	445352
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	EPA 8260C	445352
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	EPA 8260C	445352
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	EPA 8260C	445352
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	EPA 8260C	445352
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	EPA 8260C	445352
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8260C	445352
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	EPA 8260C	445352
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	EPA 8260C	445352
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	EPA 8260C	445352
MB 180-445322/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-445322/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-445322/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8260C	445352
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8260C	445352

Prep Batch: 445352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	5035	
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	5035	
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	5035	
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	5035	
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	5035	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	5035	
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	5035	
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	5035	
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	5035	
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	5035	
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	5035	
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	5035	
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	5035	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	5035	
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 445863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	3541	
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	3541	
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	3541	
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	3541	
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	3541	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	3541	
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	3541	
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	3541	
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	3541	
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 445863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	3541	
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	3541	
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	3541	
MB 180-445863/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-445863/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3541	
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3541	

Analysis Batch: 445906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	EPA 8270D	445863
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	EPA 8270D	445863
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	EPA 8270D	445863
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	EPA 8270D	445863
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	EPA 8270D	445863
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	EPA 8270D	445863
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	EPA 8270D	445863
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	EPA 8270D	445863
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8270D	445863
MB 180-445863/1-A	Method Blank	Total/NA	Solid	EPA 8270D	445863
LCS 180-445863/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	445863
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8270D	445863
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8270D	445863

Analysis Batch: 445930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	EPA 8270D	445863
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	EPA 8270D	445863
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	EPA 8270D	445863
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	EPA 8270D	445863

GC Semi VOA

Prep Batch: 446264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	3541	
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	3541	
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	3541	
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	3541	
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	3541	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	3541	
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	3541	
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	3541	
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	3541	
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3541	
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	3541	
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	3541	
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	3541	
MB 180-446264/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-446264/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 446264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3541	

Cleanup Batch: 446351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	3665A	446264
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	3665A	446264
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	3665A	446264
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	3665A	446264
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	3665A	446264
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	3665A	446264
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	3665A	446264
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	3665A	446264
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	3665A	446264
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3665A	446264
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	3665A	446264
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	3665A	446264
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	3665A	446264
MB 180-446264/1-C	Method Blank	Total/NA	Solid	3665A	446264
LCS 180-446264/2-C	Lab Control Sample	Total/NA	Solid	3665A	446264
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3665A	446264
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3665A	446264

Cleanup Batch: 446353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	3660B	446351
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	3660B	446351
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	3660B	446351
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	3660B	446351
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	3660B	446351
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	3660B	446351
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	3660B	446351
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	3660B	446351
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	3660B	446351
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3660B	446351
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	3660B	446351
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	3660B	446351
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	3660B	446351
MB 180-446264/1-C	Method Blank	Total/NA	Solid	3660B	446351
LCS 180-446264/2-C	Lab Control Sample	Total/NA	Solid	3660B	446351
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3660B	446351
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3660B	446351

Analysis Batch: 446363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	EPA 8082A	446353
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	EPA 8082A	446353
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	EPA 8082A	446353
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	EPA 8082A	446353
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	EPA 8082A	446353
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	EPA 8082A	446353
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	EPA 8082A	446353

GC Semi VOA (Continued)

Analysis Batch: 446363 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	EPA 8082A	446353
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	EPA 8082A	446353
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8082A	446353
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	EPA 8082A	446353
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	EPA 8082A	446353
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	EPA 8082A	446353
MB 180-446264/1-C	Method Blank	Total/NA	Solid	EPA 8082A	446353
LCS 180-446264/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	446353
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8082A	446353
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 8082A	446353

Metals

Prep Batch: 445188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	3050B	
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	3050B	
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	3050B	
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	3050B	
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	3050B	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	3050B	
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	3050B	
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	3050B	
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	3050B	
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	3050B	
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	3050B	
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	3050B	
MB 180-445188/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-445188/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 445214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	7471B	
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	7471B	
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	7471B	
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	7471B	
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	7471B	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	7471B	
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	7471B	
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	7471B	
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	7471B	
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	7471B	
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	7471B	
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	7471B	
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	7471B	
MB 180-445214/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-445214/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	7471B	
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	7471B	

Metals

Analysis Batch: 445375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	EPA 7471B	445214
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	EPA 7471B	445214
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	EPA 7471B	445214
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	EPA 7471B	445214
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	EPA 7471B	445214
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	EPA 7471B	445214
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	EPA 7471B	445214
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	EPA 7471B	445214
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	EPA 7471B	445214
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 7471B	445214
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	EPA 7471B	445214
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	EPA 7471B	445214
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	EPA 7471B	445214
MB 180-445214/1-A	Method Blank	Total/NA	Solid	EPA 7471B	445214
LCS 180-445214/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	445214
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 7471B	445214
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 7471B	445214

Analysis Batch: 448054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	EPA 6010C	445188

Prep Batch: 448344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3050B	
MB 180-448344/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-448344/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3050B	
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	3050B	

Analysis Batch: 448421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	EPA 6010C	445188
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	EPA 6010C	445188
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	EPA 6010C	445188
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	EPA 6010C	445188
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	EPA 6010C	445188
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	EPA 6010C	445188
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	EPA 6010C	445188
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	EPA 6010C	445188
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	EPA 6010C	445188
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	EPA 6010C	445188
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	EPA 6010C	445188
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	EPA 6010C	445188
MB 180-445188/1-A	Method Blank	Total/NA	Solid	EPA 6010C	445188
LCS 180-445188/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	445188

Analysis Batch: 448513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 6010C	448344
MB 180-448344/1-A	Method Blank	Total/NA	Solid	EPA 6010C	448344

Metals (Continued)

Analysis Batch: 448513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-448344/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	448344
180-161585-10 MS	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 6010C	448344
180-161585-10 MSD	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	EPA 6010C	448344

General Chemistry

Analysis Batch: 445382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-1	SSHS-IRM5A2-A8PH3-B22	Total/NA	Solid	2540G	

Analysis Batch: 445386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161585-2	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	2540G	
180-161585-3	SSHS-IRM5A2-A8PH3-S46	Total/NA	Solid	2540G	
180-161585-4	SSHS-IRM5A2-A8PH3-S47	Total/NA	Solid	2540G	
180-161585-5	SSHS-IRM5A2-A8PH3-S48	Total/NA	Solid	2540G	
180-161585-6	SSHS-IRM5A2-A8PH3-S49	Total/NA	Solid	2540G	
180-161585-7	SSHS-IRM5A2-A8PH3-B23	Total/NA	Solid	2540G	
180-161585-8	SSHS-IRM5A2-A8PH3-B24	Total/NA	Solid	2540G	
180-161585-9	SSHS-IRM5A2-A8PH3-B25	Total/NA	Solid	2540G	
180-161585-10	SSHS-IRM5A2-A8PH3-B26	Total/NA	Solid	2540G	
180-161585-11	SSHS-IRM5A2-A8PH3-B27	Total/NA	Solid	2540G	
180-161585-12	SSHS-IRM5A2-DUP315	Total/NA	Solid	2540G	
180-161585-13	SSHS-IRM5A2-A8PH3-S50	Total/NA	Solid	2540G	
180-161585-2 DU	SSHS-IRM5A2-A8PH3-S45	Total/NA	Solid	2540G	
180-161585-12 DU	SSHS-IRM5A2-DUP315	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s).	COC No
Client Contact: Mr. Aron Krasnopoler	Z MILLER/ A WESS	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-B22	8/29/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S45	8/29/23	1435	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S46	8/29/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S47	8/29/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S48	8/29/23	1450	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S49	8/29/23	1455	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-B23	8/29/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B24	8/29/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B25	8/29/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B26	8/29/23	1515	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-IRM5A2-A8PH3-B27	8/29/23	1520	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP315	8/29/23	–	G	S	N	N	X	X	X	X									6	

180-161585 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Zach Miller	8/29/23 18:00	Geosyntec	[illegible]	8/30/23 09.55	EPI-TANE

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks.

Ver: 01/16/2019

10/10/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s).	COC No
Client Contact: Mr. Aron Krasnopoler	Z Miller/ A Wess	Dunlap, David A		180-45857-9656 1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S50	8/29/23	1525	G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 8/29/23 18:00	Company: Geosyntec	Received by:	Date/Time: 8/30/23 09:55	Company: EPIANE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

10/10/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

DOCUMENTATION COC2

eurofins

Client Information	Sampler: Z MILLER/ A WESS	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-161585 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-B22	8/29/23	1430	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S45	8/29/23	1435	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S46	8/29/23	1440	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S47	8/29/23	1445	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S48	8/29/23	1450	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S49	8/29/23	1455	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-B23	8/29/23	1500	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B24	8/29/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B25	8/29/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B26	8/29/23	1515	G	S	N	Y	X	X	X	X	X	X							20	
SSHS-IRM5A2-A8PH3-B27	8/29/23	1520	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP315	8/29/23		G	S	N	N	X	X	X	X									6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	8/29/23 18:00	Geosyntec		8/30/23 1015	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s):	COC No
Client Contact: Mr Aron Krasnopoler	Z Miller/ A Wess	Dunlap, David A		180-45857-9656.1
Company: Geosyntec Consultants, Inc.	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			Job #:
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N		
SSHS-IRM5A2-A8PH3-S50	8/29/23	1525	G	S	N	N	X	X	X	X			6	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client, Disposal By Lab, Archive For _____ Months

Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	8/29/23 1800	Geosyntec		8/30/23 1015	EST SRC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 2.4

Ver 01/16/2019

eurofins

Sacramento Sample Receiving Notes (SSRN)

Loc 180
161585

Tracking # 7732 2651 7455

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID 102 Corr Factor (+/-) _____ °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed. 2.4 °C Corrected: 2.4 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MM Date: 8/30/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SP Date: 83023

Notes: _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: SP Date: 8-30-23



180-161585 Field Sheet

ORIGIN ID:ELMA (240) 938-7056
CONSTRUCTION ENTRANCE GEOSYNTEC
GEOSYNTEC CONSULTANTS
765 SOUTH MAIN STREET
FOURTH FLOOR
ELMIRA, NY 14904
UNITED STATES US

SHIP DATE: 29AUG23
ACTWGT: 50.00 LB
CAD: 252144956/INET4535
DIMS: 30x18x12 IN

BILL SENDER

TO **TESTAMERICA LABORATORY**

WEST SACRAMENTO
880 RIVERSIDE PKWY
WEST SACRAMENTO CA 95605

(916) 373-5600 REF: MN0832L
INV: 02
PO: 01 DEPT: 1751

583J57584/9AE3

FedEx Express

WED - 30 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7732 2651 7455

XW BLUA

95605
CA-US SMF

RT 362 1
FZ 10 30 F
7455
08 30

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161585-1

Login Number: 161585
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/14/2023 10:45:57 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162832-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Generated
10/14/2023 10:45:57 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-162832-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162832-1

Receipt
The sample was received on 9/22/2023 at the Eurofins Pittsburgh, PA laboratory; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-447426 was above criteria for the following analytes: Dichlorodifluoromethane and 1,2-Dichloroethane-d4 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-447426 was below criteria for the following analytes: 1,4-Dioxane, Chloroethane, and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-447878 was above criteria for the following analyte: Di-n-octyl phthalate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHSIRM5A2-HL2 (180-162832-1) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162832-1	SSHS-IRM5A2-HL2	Solid	09/21/23 14:45	09/22/23 09:17

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HL2
Lab Sample ID: 180-162832-1
Date Collected: 09/21/23 14:45
Matrix: Solid
Date Received: 09/22/23 09:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447447	09/24/23 08:10	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-HL2
Lab Sample ID: 180-162832-1
Date Collected: 09/21/23 14:45
Matrix: Solid
Date Received: 09/22/23 09:17
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0032 g	5 mL	447443	09/23/23 15:43	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447426	09/23/23 18:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	447778	09/28/23 07:09	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	447878	09/29/23 11:53	VVP	EET PIT
	Instrument ID: CH733									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 20:06	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.63 g	50 mL	447577	09/27/23 06:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 16:31	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.63 g	50 mL	447577	09/27/23 06:40	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448997	10/11/23 16:52	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	447576	09/27/23 08:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 10:43	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - DVC = Daniel Capodanno
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - S1Z = Sage Ziviello
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - AAS = Ariana Swick
  - CRL = Craig Tronzo
  - JMO = John Oravec
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HL2
Lab Sample ID: 180-162832-1
Date Collected: 09/21/23 14:45
Matrix: Solid
Date Received: 09/22/23 09:17
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Benzene	ND		5.4	1.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Styrene	ND		5.4	1.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Toluene	ND		5.4	1.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-HL2
Lab Sample ID: 180-162832-1
Date Collected: 09/21/23 14:45
Matrix: Solid
Date Received: 09/22/23 09:17
Percent Solids: 92.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	09/23/23 15:43	09/23/23 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*	*09/23/23 15:43*	*09/23/23 18:53*	*1*
Dibromofluoromethane (Surr)	*100*		*69 - 126*	*09/23/23 15:43*	*09/23/23 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*09/23/23 15:43*	*09/23/23 18:53*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*09/23/23 15:43*	*09/23/23 18:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Acenaphthylene	ND		71	16	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Acetophenone	ND		710	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Anthracene	ND		71	18	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Atrazine	ND		710	160	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Benzaldehyde	ND		710	44	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Caprolactam	ND		1800	230	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Carbazole	ND		71	17	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Chrysene	ND		71	39	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Dibenzofuran	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1

Client Sample ID: SSHS-IRM5A2-HL2
Lab Sample ID: 180-162832-1
Date Collected: 09/21/23 14:45
Matrix: Solid
Date Received: 09/22/23 09:17
Percent Solids: 92.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Fluoranthene	ND		71	19	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Fluorene	ND		71	14	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Hexachloroethane	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Isophorone	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2-Methylphenol	ND		350	100	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Naphthalene	ND		71	14	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Nitrobenzene	ND		710	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Phenanthrene	ND		71	19	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Phenol	ND		350	110	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
Pyrene	ND		71	17	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	09/28/23 07:09	09/29/23 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*09/28/23 07:09*	*09/29/23 11:53*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*09/28/23 07:09*	*09/29/23 11:53*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*09/28/23 07:09*	*09/29/23 11:53*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/28/23 07:09*	*09/29/23 11:53*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*09/28/23 07:09*	*09/29/23 11:53*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*34 - 108*	*09/28/23 07:09*	*09/29/23 11:53*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1248	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1254	ND		18	5.4	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1260	ND		18	5.1	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1

Client Sample ID: SSHS-IRM5A2-HL2
Lab Sample ID: 180-162832-1

Date Collected: 09/21/23 14:45
Matrix: Solid

Date Received: 09/22/23 09:17
Percent Solids: 92.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:06*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:06*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:06*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		17	4.3	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Antimony	ND	F1 F2	0.85	0.26	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Arsenic	**5.7**		0.85	0.54	mg/Kg	☼	09/27/23 06:40	10/11/23 16:52	1
Barium	**55**		17	3.0	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Beryllium	**0.29**	**J**	0.34	0.093	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Cadmium	**0.19**	**J**	0.43	0.063	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Calcium	**11000**	**F2**	430	55	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Chromium	**8.6**		0.43	0.39	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Cobalt	**6.3**		4.3	0.60	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Copper	**18**		2.1	1.3	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Iron	**16000**		8.5	8.3	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Lead	**8.1**		0.85	0.74	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Magnesium	**4000**	**F1**	430	47	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Manganese	**350**		1.3	0.24	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Nickel	**15**		3.4	0.43	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Potassium	**610**	**F1**	430	73	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Selenium	ND		0.85	0.39	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Silver	ND		0.43	0.089	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Sodium	**44**	**J**	430	44	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Thallium	**0.50**	**J**	1.7	0.24	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Vanadium	**9.9**		4.3	0.68	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1
Zinc	**45**	**F1**	1.7	1.2	mg/Kg	☼	09/27/23 06:40	10/10/23 16:31	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032	0.021	mg/Kg	☼	09/27/23 08:45	09/28/23 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**7.1**		0.1	0.1	%			09/24/23 08:10	1
Percent Solids (SM22 2540G)	**92.9**		0.1	0.1	%			09/24/23 08:10	1

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-447426/12
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/23/23 18:30	1
Benzene	ND		5.0	1.4	ug/Kg			09/23/23 18:30	1
Bromoform	ND		5.0	2.5	ug/Kg			09/23/23 18:30	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/23/23 18:30	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/23/23 18:30	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/23/23 18:30	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/23/23 18:30	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/23/23 18:30	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/23/23 18:30	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/23/23 18:30	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/23/23 18:30	1
Chloroform	ND		5.0	3.4	ug/Kg			09/23/23 18:30	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/23/23 18:30	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/23/23 18:30	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/23/23 18:30	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/23/23 18:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/23/23 18:30	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/23/23 18:30	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/23/23 18:30	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/23/23 18:30	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/23/23 18:30	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/23/23 18:30	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/23/23 18:30	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/23/23 18:30	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/23/23 18:30	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/23/23 18:30	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/23/23 18:30	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/23/23 18:30	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/23/23 18:30	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/23/23 18:30	1
2-Hexanone	ND		25	1.6	ug/Kg			09/23/23 18:30	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/23/23 18:30	1
Methyl acetate	ND		25	7.4	ug/Kg			09/23/23 18:30	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/23/23 18:30	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/23/23 18:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/23/23 18:30	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/23/23 18:30	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/23/23 18:30	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/23/23 18:30	1
Styrene	ND		5.0	1.5	ug/Kg			09/23/23 18:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/23/23 18:30	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/23/23 18:30	1
Toluene	ND		5.0	1.4	ug/Kg			09/23/23 18:30	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/23/23 18:30	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/23/23 18:30	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/23/23 18:30	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/23/23 18:30	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/23/23 18:30	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-447426/12
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/23/23 18:30	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/23/23 18:30	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/23/23 18:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/23/23 18:30	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/23/23 18:30	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/23/23 18:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*		*09/23/23 18:30*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*		*09/23/23 18:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*		*09/23/23 18:30*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*		*09/23/23 18:30*	*1*

Lab Sample ID: LCS 180-447426/7
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	50.2		ug/Kg		125	23 - 170
Benzene	40.0	35.4		ug/Kg		88	77 - 120
Bromoform	40.0	42.6		ug/Kg		107	37 - 147
Bromomethane	40.0	34.6		ug/Kg		87	47 - 149
2-Butanone (MEK)	40.0	45.6		ug/Kg		114	39 - 157
Carbon disulfide	40.0	36.5		ug/Kg		91	40 - 156
Carbon tetrachloride	40.0	38.2		ug/Kg		96	73 - 130
Chlorobenzene	40.0	33.7		ug/Kg		84	79 - 122
Chlorobromomethane	40.0	36.1		ug/Kg		90	64 - 128
Chlorodibromomethane	40.0	38.5		ug/Kg		96	60 - 134
Chloroethane	40.0	28.7		ug/Kg		72	37 - 159
Chloroform	40.0	42.0		ug/Kg		105	73 - 126
Chloromethane	40.0	41.1		ug/Kg		103	46 - 151
cis-1,2-Dichloroethene	40.0	36.2		ug/Kg		90	77 - 118
cis-1,3-Dichloropropene	40.0	34.4		ug/Kg		86	73 - 127
Cyclohexane	40.0	30.8		ug/Kg		77	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	36.5		ug/Kg		91	30 - 163
1,2-Dibromoethane	40.0	36.2		ug/Kg		91	59 - 137
1,2-Dichlorobenzene	40.0	34.0		ug/Kg		85	76 - 120
1,3-Dichlorobenzene	40.0	33.6		ug/Kg		84	77 - 121
1,4-Dichlorobenzene	40.0	34.0		ug/Kg		85	79 - 120
Dichlorobromomethane	40.0	42.0		ug/Kg		105	75 - 123
Dichlorodifluoromethane	40.0	47.6		ug/Kg		119	26 - 149
1,1-Dichloroethane	40.0	38.2		ug/Kg		95	73 - 124
1,2-Dichloroethane	40.0	44.8		ug/Kg		112	64 - 140
1,1-Dichloroethene	40.0	30.6		ug/Kg		77	55 - 136
1,2-Dichloroethene, Total	80.0	70.5		ug/Kg		88	77 - 119
1,2-Dichloropropane	40.0	36.7		ug/Kg		92	77 - 119
1,4-Dioxane	800	538	J	ug/Kg		67	18 - 166
Ethylbenzene	40.0	33.9		ug/Kg		85	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-447426/7
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	42.5		ug/Kg		106	42 - 152
Isopropylbenzene	40.0	35.5		ug/Kg		89	70 - 125
Methyl acetate	80.0	92.7		ug/Kg		116	20 - 170
Methylcyclohexane	40.0	32.0		ug/Kg		80	70 - 125
Methylene Chloride	40.0	32.5		ug/Kg		81	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	38.7		ug/Kg		97	51 - 147
Methyl tert-butyl ether	40.0	38.6		ug/Kg		97	58 - 132
m-Xylene & p-Xylene	40.0	32.6		ug/Kg		82	77 - 120
o-Xylene	40.0	32.6		ug/Kg		81	78 - 118
Styrene	40.0	35.9		ug/Kg		90	80 - 120
1,1,2,2-Tetrachloroethane	40.0	36.0		ug/Kg		90	36 - 170
Tetrachloroethene	40.0	34.5		ug/Kg		86	71 - 121
Toluene	40.0	34.0		ug/Kg		85	76 - 120
trans-1,2-Dichloroethene	40.0	34.3		ug/Kg		86	75 - 122
trans-1,3-Dichloropropene	40.0	35.9		ug/Kg		90	68 - 133
1,2,3-Trichlorobenzene	40.0	36.1		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	35.2		ug/Kg		88	22 - 170
1,1,1-Trichloroethane	40.0	36.1		ug/Kg		90	72 - 134
1,1,2-Trichloroethane	40.0	34.5		ug/Kg		86	66 - 128
Trichloroethene	40.0	35.7		ug/Kg		89	69 - 118
Trichlorofluoromethane	40.0	37.7		ug/Kg		94	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.7		ug/Kg		87	59 - 135
Vinyl chloride	40.0	29.2		ug/Kg		73	64 - 134
Xylenes, Total	80.0	65.2		ug/Kg		82	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: LCSD 180-447426/8
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	50.3		ug/Kg		126	23 - 170	0	35
Benzene	40.0	35.5		ug/Kg		89	77 - 120	0	20
Bromoform	40.0	44.1		ug/Kg		110	37 - 147	3	23
Bromomethane	40.0	34.8		ug/Kg		87	47 - 149	1	25
2-Butanone (MEK)	40.0	48.3		ug/Kg		121	39 - 157	6	33
Carbon disulfide	40.0	35.7		ug/Kg		89	40 - 156	2	25
Carbon tetrachloride	40.0	36.7		ug/Kg		92	73 - 130	4	21
Chlorobenzene	40.0	34.7		ug/Kg		87	79 - 122	3	20
Chlorobromomethane	40.0	36.0		ug/Kg		90	64 - 128	0	20
Chlorodibromomethane	40.0	40.0		ug/Kg		100	60 - 134	4	40
Chloroethane	40.0	30.4		ug/Kg		76	37 - 159	6	25
Chloroform	40.0	41.8		ug/Kg		104	73 - 126	1	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-447426/8
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	39.4		ug/Kg		99	46 - 151	4	33
cis-1,2-Dichloroethene			40.0	36.6		ug/Kg		92	77 - 118	1	20
cis-1,3-Dichloropropene			40.0	35.3		ug/Kg		88	73 - 127	2	20
Cyclohexane			40.0	30.4		ug/Kg		76	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	36.5		ug/Kg		91	30 - 163	0	34
1,2-Dibromoethane			40.0	38.2		ug/Kg		96	59 - 137	5	20
1,2-Dichlorobenzene			40.0	35.1		ug/Kg		88	76 - 120	3	20
1,3-Dichlorobenzene			40.0	34.3		ug/Kg		86	77 - 121	2	20
1,4-Dichlorobenzene			40.0	34.2		ug/Kg		86	79 - 120	1	20
Dichlorobromomethane			40.0	42.6		ug/Kg		106	75 - 123	1	20
Dichlorodifluoromethane			40.0	48.6		ug/Kg		121	26 - 149	2	24
1,1-Dichloroethane			40.0	37.9		ug/Kg		95	73 - 124	1	20
1,2-Dichloroethane			40.0	45.0		ug/Kg		112	64 - 140	0	20
1,1-Dichloroethene			40.0	27.6		ug/Kg		69	55 - 136	11	21
1,2-Dichloroethene, Total			80.0	71.1		ug/Kg		89	77 - 119	1	20
1,2-Dichloropropane			40.0	36.3		ug/Kg		91	77 - 119	1	20
1,4-Dioxane			800	671	J	ug/Kg		84	18 - 166	22	40
Ethylbenzene			40.0	33.5		ug/Kg		84	79 - 119	1	20
2-Hexanone			40.0	44.3		ug/Kg		111	42 - 152	4	30
Isopropylbenzene			40.0	36.0		ug/Kg		90	70 - 125	1	21
Methyl acetate			80.0	97.6		ug/Kg		122	20 - 170	5	33
Methylcyclohexane			40.0	32.8		ug/Kg		82	70 - 125	3	22
Methylene Chloride			40.0	37.6		ug/Kg		94	67 - 131	15	32
4-Methyl-2-pentanone (MIBK)			40.0	39.7		ug/Kg		99	51 - 147	2	27
Methyl tert-butyl ether			40.0	40.2		ug/Kg		101	58 - 132	4	24
m-Xylene & p-Xylene			40.0	32.8		ug/Kg		82	77 - 120	1	20
o-Xylene			40.0	33.9		ug/Kg		85	78 - 118	4	20
Styrene			40.0	37.0		ug/Kg		93	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	36.7		ug/Kg		92	36 - 170	2	23
Tetrachloroethene			40.0	36.6		ug/Kg		91	71 - 121	6	21
Toluene			40.0	34.5		ug/Kg		86	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	34.5		ug/Kg		86	75 - 122	0	20
trans-1,3-Dichloropropene			40.0	37.7		ug/Kg		94	68 - 133	5	20
1,2,3-Trichlorobenzene			40.0	37.2		ug/Kg		93	29 - 166	3	40
1,2,4-Trichlorobenzene			40.0	36.9		ug/Kg		92	22 - 170	5	29
1,1,1-Trichloroethane			40.0	37.0		ug/Kg		93	72 - 134	3	20
1,1,2-Trichloroethane			40.0	36.9		ug/Kg		92	66 - 128	7	21
Trichloroethene			40.0	34.0		ug/Kg		85	69 - 118	5	20
Trichlorofluoromethane			40.0	39.7		ug/Kg		99	32 - 149	5	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	34.7		ug/Kg		87	59 - 135	0	28
Vinyl chloride			40.0	29.5		ug/Kg		74	64 - 134	1	23
Xylenes, Total			80.0	66.7		ug/Kg		83	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*120*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-447426/8
Matrix: Solid
Analysis Batch: 447426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-447778/1-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Acenaphthylene	ND		67	15	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Acetophenone	ND		670	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Anthracene	ND		67	17	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Atrazine	ND		670	150	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Benzaldehyde	ND		670	41	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Benzo[a]anthracene	ND		67	30	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Benzo[a]pyrene	ND		67	29	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
1,1'-Biphenyl	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Caprolactam	ND		1700	220	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Carbazole	ND		67	16	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4-Chloroaniline	ND		330	88	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2-Chloronaphthalene	ND		67	15	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2-Chlorophenol	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Chrysene	ND		67	37	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Dibenzofuran	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Diethyl phthalate	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Dimethyl phthalate	ND		330	130	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
1,4-Dioxane	ND		670	100	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Fluoranthene	ND		67	18	ug/Kg		09/28/23 07:09	09/29/23 06:46	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-447778/1-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Hexachlorobenzene	ND		67	24	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Hexachlorobutadiene	ND		67	20	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Hexachloroethane	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Isophorone	ND		330	130	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2-Methylnaphthalene	ND		67	16	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2-Methylphenol	ND		330	96	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Naphthalene	ND		67	13	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2-Nitroaniline	ND		1700	150	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
3-Nitroaniline	ND		1700	85	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4-Nitroaniline	ND		1700	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Nitrobenzene	ND		670	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2-Nitrophenol	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
4-Nitrophenol	ND		1700	230	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Pentachlorophenol	ND		1700	540	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Phenanthrene	ND		67	18	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Phenol	ND		330	100	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
Pyrene	ND		67	16	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		09/28/23 07:09	09/29/23 06:46	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		09/28/23 07:09	09/29/23 06:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*09/28/23 07:09*	*09/29/23 06:46*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*09/28/23 07:09*	*09/29/23 06:46*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*09/28/23 07:09*	*09/29/23 06:46*	*1*
Phenol-d5 (Surr)	*77*		*46 - 105*	*09/28/23 07:09*	*09/29/23 06:46*	*1*
Terphenyl-d14 (Surr)	*69*		*39 - 105*	*09/28/23 07:09*	*09/29/23 06:46*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*09/28/23 07:09*	*09/29/23 06:46*	*1*

Lab Sample ID: LCS 180-447778/2-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4400		ug/Kg		66	50 - 100
Acenaphthylene	6670	4920		ug/Kg		74	52 - 100
Acetophenone	6670	4850		ug/Kg		73	48 - 100
Anthracene	6670	4660		ug/Kg		70	53 - 100
Atrazine	6670	4990		ug/Kg		75	49 - 103
Benzaldehyde	6670	6420		ug/Kg		96	23 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-447778/2-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	4810		ug/Kg		72	51 - 100
Benzo[a]pyrene	6670	5110		ug/Kg		77	51 - 100
Benzo[b]fluoranthene	6670	4260		ug/Kg		64	48 - 100
Benzo[g,h,i]perylene	6670	4670		ug/Kg		70	48 - 105
Benzo[k]fluoranthene	6670	4710		ug/Kg		71	19 - 100
1,1'-Biphenyl	6670	4450		ug/Kg		67	50 - 100
Bis(2-chloroethoxy)methane	6670	4510		ug/Kg		68	49 - 100
Bis(2-chloroethyl)ether	6670	4730		ug/Kg		71	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5290		ug/Kg		79	53 - 107
4-Bromophenyl phenyl ether	6670	4670		ug/Kg		70	52 - 101
Butyl benzyl phthalate	6670	5270		ug/Kg		79	52 - 107
Caprolactam	6670	4680		ug/Kg		70	48 - 111
Carbazole	6670	4840		ug/Kg		73	53 - 100
4-Chloroaniline	6670	4650		ug/Kg		70	47 - 100
4-Chloro-3-methylphenol	6670	4820		ug/Kg		72	49 - 106
2-Chloronaphthalene	6670	4500		ug/Kg		68	51 - 100
2-Chlorophenol	6670	5090		ug/Kg		76	51 - 100
4-Chlorophenyl phenyl ether	6670	4180		ug/Kg		63	52 - 100
Chrysene	6670	4590		ug/Kg		69	50 - 100
Dibenz(a,h)anthracene	6670	4780		ug/Kg		72	50 - 107
Dibenzofuran	6670	4430		ug/Kg		66	52 - 100
3,3'-Dichlorobenzidine	6670	4550		ug/Kg		68	43 - 100
2,4-Dichlorophenol	6670	4780		ug/Kg		72	53 - 101
Diethyl phthalate	6670	4830		ug/Kg		72	48 - 104
2,4-Dimethylphenol	6670	3690		ug/Kg		55	51 - 101
Dimethyl phthalate	6670	4620		ug/Kg		69	53 - 100
Di-n-butyl phthalate	6670	4760		ug/Kg		71	57 - 102
4,6-Dinitro-2-methylphenol	13300	8370		ug/Kg		63	51 - 100
2,4-Dinitrophenol	13300	7530		ug/Kg		56	33 - 101
2,4-Dinitrotoluene	6670	4860		ug/Kg		73	54 - 104
2,6-Dinitrotoluene	6670	4740		ug/Kg		71	51 - 106
Di-n-octyl phthalate	6670	5700		ug/Kg		86	41 - 106
1,4-Dioxane	6670	4950		ug/Kg		74	25 - 125
Fluoranthene	6670	4970		ug/Kg		75	55 - 100
Fluorene	6670	4440		ug/Kg		67	52 - 100
Hexachlorobenzene	6670	4380		ug/Kg		66	49 - 100
Hexachlorobutadiene	6670	4040		ug/Kg		61	38 - 107
Hexachlorocyclopentadiene	6670	2550		ug/Kg		38	33 - 117
Hexachloroethane	6670	4870		ug/Kg		73	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4850		ug/Kg		73	51 - 103
Isophorone	6670	5080		ug/Kg		76	48 - 105
2-Methylnaphthalene	6670	4830		ug/Kg		72	53 - 100
2-Methylphenol	6670	4890		ug/Kg		73	50 - 101
Methylphenol, 3 & 4	6670	4900		ug/Kg		74	50 - 103
Naphthalene	6670	4550		ug/Kg		68	51 - 100
2-Nitroaniline	6670	4940		ug/Kg		74	42 - 123
3-Nitroaniline	6670	5020		ug/Kg		75	50 - 103
4-Nitroaniline	6670	5080		ug/Kg		76	52 - 103
Nitrobenzene	6670	4730		ug/Kg		71	44 - 108

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-447778/2-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447778

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2-Nitrophenol			6670	5250		ug/Kg		79	55 - 107		
4-Nitrophenol			13300	10600		ug/Kg		79	30 - 134		
N-Nitrosodi-n-propylamine			6670	4780		ug/Kg		72	45 - 107		
N-Nitrosodiphenylamine			6670	4620		ug/Kg		69	52 - 100		
2,2'-oxybis[1-chloropropane]			6670	4430		ug/Kg		66	30 - 113		
Pentachlorophenol			13300	8200		ug/Kg		61	42 - 110		
Phenanthrene			6670	4390		ug/Kg		66	53 - 100		
Phenol			6670	4750		ug/Kg		71	49 - 100		
Pyrene			6670	4850		ug/Kg		73	52 - 100		
1,2,4,5-Tetrachlorobenzene			6670	3990		ug/Kg		60	41 - 104		
2,3,4,6-Tetrachlorophenol			6670	4150		ug/Kg		62	47 - 104		
2,4,5-Trichlorophenol			6670	4490		ug/Kg		67	50 - 104		
2,4,6-Trichlorophenol			6670	4700		ug/Kg		70	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*44 - 105*
2-Fluorophenol (Surr)	*74*		*48 - 105*
Nitrobenzene-d5 (Surr)	*69*		*46 - 105*
Phenol-d5 (Surr)	*74*		*46 - 105*
Terphenyl-d14 (Surr)	*65*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*71*		*34 - 108*

Lab Sample ID: LCSD 180-447778/3-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			6670	4330		ug/Kg		65	50 - 100	2	20
Acenaphthylene			6670	4810		ug/Kg		72	52 - 100	2	20
Acetophenone			6670	4770		ug/Kg		72	48 - 100	2	17
Anthracene			6670	4570		ug/Kg		69	53 - 100	2	20
Atrazine			6670	4830		ug/Kg		72	49 - 103	3	19
Benzaldehyde			6670	6430		ug/Kg		96	23 - 105	0	31
Benzo[a]anthracene			6670	4830		ug/Kg		72	51 - 100	0	21
Benzo[a]pyrene			6670	4990		ug/Kg		75	51 - 100	2	20
Benzo[b]fluoranthene			6670	4300		ug/Kg		65	48 - 100	1	20
Benzo[g,h,i]perylene			6670	4550		ug/Kg		68	48 - 105	3	19
Benzo[k]fluoranthene			6670	4440		ug/Kg		67	19 - 100	6	20
1,1'-Biphenyl			6670	4360		ug/Kg		65	50 - 100	2	19
Bis(2-chloroethoxy)methane			6670	4480		ug/Kg		67	49 - 100	1	20
Bis(2-chloroethyl)ether			6670	4660		ug/Kg		70	48 - 100	1	18
Bis(2-ethylhexyl) phthalate			6670	5210		ug/Kg		78	53 - 107	2	20
4-Bromophenyl phenyl ether			6670	4550		ug/Kg		68	52 - 101	3	20
Butyl benzyl phthalate			6670	5290		ug/Kg		79	52 - 107	0	19
Caprolactam			6670	4740		ug/Kg		71	48 - 111	1	23
Carbazole			6670	4720		ug/Kg		71	53 - 100	3	20
4-Chloroaniline			6670	4570		ug/Kg		69	47 - 100	2	20
4-Chloro-3-methylphenol			6670	4880		ug/Kg		73	49 - 106	1	20

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-447778/3-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447778

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene			6670	4330		ug/Kg		65	51 - 100	4	20
2-Chlorophenol			6670	4990		ug/Kg		75	51 - 100	2	17
4-Chlorophenyl phenyl ether			6670	4110		ug/Kg		62	52 - 100	2	19
Chrysene			6670	4530		ug/Kg		68	50 - 100	1	20
Dibenz(a,h)anthracene			6670	4640		ug/Kg		70	50 - 107	3	21
Dibenzofuran			6670	4390		ug/Kg		66	52 - 100	1	19
3,3'-Dichlorobenzidine			6670	4610		ug/Kg		69	43 - 100	1	19
2,4-Dichlorophenol			6670	4810		ug/Kg		72	53 - 101	1	22
Diethyl phthalate			6670	4730		ug/Kg		71	48 - 104	2	20
2,4-Dimethylphenol			6670	3690		ug/Kg		55	51 - 101	0	32
Dimethyl phthalate			6670	4530		ug/Kg		68	53 - 100	2	21
Di-n-butyl phthalate			6670	4690		ug/Kg		70	57 - 102	1	20
4,6-Dinitro-2-methylphenol			13300	8340		ug/Kg		63	51 - 100	0	22
2,4-Dinitrophenol			13300	7740		ug/Kg		58	33 - 101	3	20
2,4-Dinitrotoluene			6670	4730		ug/Kg		71	54 - 104	3	20
2,6-Dinitrotoluene			6670	4670		ug/Kg		70	51 - 106	2	20
Di-n-octyl phthalate			6670	5750		ug/Kg		86	41 - 106	1	18
1,4-Dioxane			6670	4810		ug/Kg		72	25 - 125	3	17
Fluoranthene			6670	4800		ug/Kg		72	55 - 100	4	20
Fluorene			6670	4340		ug/Kg		65	52 - 100	2	19
Hexachlorobenzene			6670	4290		ug/Kg		64	49 - 100	2	20
Hexachlorobutadiene			6670	3960		ug/Kg		59	38 - 107	2	22
Hexachlorocyclopentadiene			6670	2580		ug/Kg		39	33 - 117	1	19
Hexachloroethane			6670	4840		ug/Kg		73	47 - 100	1	17
Indeno[1,2,3-cd]pyrene			6670	4750		ug/Kg		71	51 - 103	2	19
Isophorone			6670	5020		ug/Kg		75	48 - 105	1	20
2-Methylnaphthalene			6670	4810		ug/Kg		72	53 - 100	0	21
2-Methylphenol			6670	4820		ug/Kg		72	50 - 101	1	17
Methylphenol, 3 & 4			6670	4810		ug/Kg		72	50 - 103	2	19
Naphthalene			6670	4500		ug/Kg		67	51 - 100	1	20
2-Nitroaniline			6670	4900		ug/Kg		74	42 - 123	1	19
3-Nitroaniline			6670	5000		ug/Kg		75	50 - 103	1	20
4-Nitroaniline			6670	5020		ug/Kg		75	52 - 103	1	18
Nitrobenzene			6670	4680		ug/Kg		70	44 - 108	1	21
2-Nitrophenol			6670	5210		ug/Kg		78	55 - 107	1	19
4-Nitrophenol			13300	10600		ug/Kg		79	30 - 134	0	18
N-Nitrosodi-n-propylamine			6670	4760		ug/Kg		71	45 - 107	0	18
N-Nitrosodiphenylamine			6670	4560		ug/Kg		68	52 - 100	1	20
2,2'-oxybis[1-chloropropane]			6670	4330		ug/Kg		65	30 - 113	2	17
Pentachlorophenol			13300	8390		ug/Kg		63	42 - 110	2	20
Phenanthrene			6670	4290		ug/Kg		64	53 - 100	2	20
Phenol			6670	4630		ug/Kg		69	49 - 100	3	16
Pyrene			6670	4740		ug/Kg		71	52 - 100	2	20
1,2,4,5-Tetrachlorobenzene			6670	3850		ug/Kg		58	41 - 104	4	21
2,3,4,6-Tetrachlorophenol			6670	4160		ug/Kg		62	47 - 104	0	18
2,4,5-Trichlorophenol			6670	4500		ug/Kg		68	50 - 104	0	21
2,4,6-Trichlorophenol			6670	4600		ug/Kg		69	50 - 105	2	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-447778/3-A
Matrix: Solid
Analysis Batch: 447878

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447778

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	61		44 - 105
2-Fluorophenol (Surr)	72		48 - 105
Nitrobenzene-d5 (Surr)	68		46 - 105
Phenol-d5 (Surr)	72		46 - 105
Terphenyl-d14 (Surr)	64		39 - 105
2,4,6-Tribromophenol (Surr)	70		34 - 108

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-448438/1-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1221	ND		17	5.9	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1232	ND		17	4.1	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1242	ND		17	2.4	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1248	ND		17	4.0	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1254	ND		17	5.0	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1260	ND		17	4.7	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1262	ND		17	5.9	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1268	ND		17	2.2	ug/Kg		10/05/23 13:37	10/06/23 18:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	130		63 - 138	10/05/23 13:37	10/06/23 18:20	1
DCB Decachlorobiphenyl (Surr)	111		63 - 138	10/05/23 13:37	10/06/23 18:20	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	10/05/23 13:37	10/06/23 18:20	1
Tetrachloro-m-xylene (Surr)	108		55 - 135	10/05/23 13:37	10/06/23 18:20	1

Lab Sample ID: LCS 180-448438/2-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448438

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1220		ug/Kg		91	43 - 136		
PCB-1260			1330	1170		ug/Kg		88	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	119		63 - 138
DCB Decachlorobiphenyl (Surr)	107		63 - 138
Tetrachloro-m-xylene (Surr)	100		55 - 135
Tetrachloro-m-xylene (Surr)	105		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-447577/1-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447577

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Antimony	ND		1.0	0.30	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Barium	ND		20	3.6	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Beryllium	ND		0.40	0.11	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Cadmium	ND		0.50	0.073	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Calcium	ND		500	65	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Chromium	ND		0.50	0.46	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Cobalt	ND		5.0	0.70	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Copper	ND		2.5	1.5	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Iron	ND		10	9.7	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Lead	ND		1.0	0.87	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Magnesium	ND		500	55	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Manganese	ND		1.5	0.28	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Nickel	ND		4.0	0.50	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Potassium	ND		500	85	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Selenium	ND		1.0	0.46	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Silver	ND		0.50	0.10	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Sodium	ND		500	51	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Thallium	ND		2.0	0.28	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Vanadium	ND		5.0	0.79	mg/Kg		09/27/23 06:40	10/10/23 16:21	1
Zinc	ND		2.0	1.5	mg/Kg		09/27/23 06:40	10/10/23 16:21	1

Lab Sample ID: MB 180-447577/1-A
Matrix: Solid
Analysis Batch: 448997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447577

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		09/27/23 06:40	10/11/23 16:42	1

Lab Sample ID: LCS 180-447577/2-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	482		mg/Kg		96	80 - 120
Antimony	25.0	25.6		mg/Kg		102	80 - 120
Barium	100	99.3		mg/Kg		99	80 - 120
Beryllium	50.0	51.2		mg/Kg		102	80 - 120
Cadmium	50.0	50.4		mg/Kg		101	80 - 120
Calcium	2500	2500		mg/Kg		100	80 - 120
Chromium	50.0	48.6		mg/Kg		97	80 - 120
Cobalt	50.0	48.2		mg/Kg		96	80 - 120
Copper	50.0	50.3		mg/Kg		101	80 - 120
Iron	500	497		mg/Kg		99	80 - 120
Lead	50.0	48.4		mg/Kg		97	80 - 120
Magnesium	2500	2410		mg/Kg		96	80 - 120
Manganese	50.0	49.2		mg/Kg		98	80 - 120
Nickel	50.0	48.4		mg/Kg		97	80 - 120
Potassium	2500	2510		mg/Kg		101	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-447577/2-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	100		mg/Kg		100	80 - 120
Silver	25.0	24.2		mg/Kg		97	80 - 120
Sodium	2500	2510		mg/Kg		101	80 - 120
Thallium	100	97.2		mg/Kg		97	80 - 120
Vanadium	50.0	49.0		mg/Kg		98	80 - 120
Zinc	25.0	25.0		mg/Kg		100	80 - 120

Lab Sample ID: LCS 180-447577/2-A
Matrix: Solid
Analysis Batch: 448997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	99.5		mg/Kg		99	80 - 120

Lab Sample ID: 180-162832-1 MS
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: SSHS-IRM5A2-HL2
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6800		427	9590	4	mg/Kg	☼	657	75 - 125
Antimony	ND	F1 F2	21.3	6.81	F1	mg/Kg	☼	32	75 - 125
Barium	55		85.4	139		mg/Kg	☼	99	75 - 125
Beryllium	0.29	J	42.7	35.7		mg/Kg	☼	83	75 - 125
Cadmium	0.19	J	42.7	34.5		mg/Kg	☼	80	75 - 125
Calcium	11000	F2	2130	21300	4	mg/Kg	☼	502	75 - 125
Chromium	8.6		42.7	45.7		mg/Kg	☼	87	75 - 125
Cobalt	6.3		42.7	44.5		mg/Kg	☼	89	75 - 125
Copper	18		42.7	60.4		mg/Kg	☼	100	75 - 125
Iron	16000		427	22200	4	mg/Kg	☼	1368	75 - 125
Lead	8.1		42.7	49.0		mg/Kg	☼	96	75 - 125
Magnesium	4000	F1	2130	6900	F1	mg/Kg	☼	135	75 - 125
Manganese	350		42.7	485	4	mg/Kg	☼	327	75 - 125
Nickel	15		42.7	56.8		mg/Kg	☼	98	75 - 125
Potassium	610	F1	2130	2190	F1	mg/Kg	☼	74	75 - 125
Selenium	ND		85.4	72.5		mg/Kg	☼	85	75 - 125
Silver	ND		21.3	17.2		mg/Kg	☼	81	75 - 125
Sodium	44	J	2130	1860		mg/Kg	☼	85	75 - 125
Thallium	0.50	J	85.4	73.5		mg/Kg	☼	86	75 - 125
Vanadium	9.9		42.7	47.9		mg/Kg	☼	89	75 - 125
Zinc	45	F1	21.3	75.4	F1	mg/Kg	☼	142	75 - 125

Lab Sample ID: 180-162832-1 MS
Matrix: Solid
Analysis Batch: 448997

Client Sample ID: SSHS-IRM5A2-HL2
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.7		85.4	78.4		mg/Kg	☼	85	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-162832-1 MSD
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: SSHS-IRM5A2-HL2
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	6800		441	8890	4	mg/Kg	☼	479	75 - 125	7	20
Antimony	ND	F1 F2	22.0	8.41	F1 F2	mg/Kg	☼	38	75 - 125	21	20
Barium	55		88.2	139		mg/Kg	☼	95	75 - 125	0	20
Beryllium	0.29	J	44.1	38.1		mg/Kg	☼	86	75 - 125	7	20
Cadmium	0.19	J	44.1	36.7		mg/Kg	☼	83	75 - 125	6	20
Calcium	11000	F2	2200	15800	4 F2	mg/Kg	☼	239	75 - 125	29	20
Chromium	8.6		44.1	45.8		mg/Kg	☼	85	75 - 125	0	20
Cobalt	6.3		44.1	44.9		mg/Kg	☼	88	75 - 125	1	20
Copper	18		44.1	56.7		mg/Kg	☼	88	75 - 125	6	20
Iron	16000		441	20300	4	mg/Kg	☼	885	75 - 125	9	20
Lead	8.1		44.1	48.2		mg/Kg	☼	91	75 - 125	2	20
Magnesium	4000	F1	2200	6110		mg/Kg	☼	95	75 - 125	12	20
Manganese	350		44.1	428	4	mg/Kg	☼	187	75 - 125	13	20
Nickel	15		44.1	56.1		mg/Kg	☼	94	75 - 125	1	20
Potassium	610	F1	2200	2250	F1	mg/Kg	☼	74	75 - 125	3	20
Selenium	ND		88.2	75.3		mg/Kg	☼	85	75 - 125	4	20
Silver	ND		22.0	17.9		mg/Kg	☼	81	75 - 125	4	20
Sodium	44	J	2200	1930		mg/Kg	☼	85	75 - 125	4	20
Thallium	0.50	J	88.2	76.1		mg/Kg	☼	86	75 - 125	3	20
Vanadium	9.9		44.1	48.2		mg/Kg	☼	87	75 - 125	1	20
Zinc	45	F1	22.0	72.4		mg/Kg	☼	124	75 - 125	4	20

Lab Sample ID: 180-162832-1 MSD
Matrix: Solid
Analysis Batch: 448997

Client Sample ID: SSHS-IRM5A2-HL2
Prep Type: Total/NA
Prep Batch: 447577

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.7		88.2	82.6		mg/Kg	☼	87	75 - 125	5	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-447576/1-A
Matrix: Solid
Analysis Batch: 447842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		09/27/23 08:45	09/28/23 10:41	1

Lab Sample ID: LCS 180-447576/2-A
Matrix: Solid
Analysis Batch: 447842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447576

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.387		mg/Kg		93	80 - 120		

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-162832-1 MS
Client Sample ID: SSHS-IRM5A2-HL2
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447842
Prep Batch: 447576

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.171	0.167		mg/Kg	☼	98	80 - 120

Lab Sample ID: 180-162832-1 MSD
Client Sample ID: SSHS-IRM5A2-HL2
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447842
Prep Batch: 447576

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.174	0.170		mg/Kg	☼	98	80 - 120	2	20

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

GC/MS VOA

Analysis Batch: 447426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 8260C	447443
MB 180-447426/12	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-447426/7	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-447426/8	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 447443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 447778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	3541	
MB 180-447778/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-447778/2-A	Lab Control Sample	Total/NA	Solid	3541	
LCSD 180-447778/3-A	Lab Control Sample Dup	Total/NA	Solid	3541	

Analysis Batch: 447878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 8270D	447778
MB 180-447778/1-A	Method Blank	Total/NA	Solid	EPA 8270D	447778
LCS 180-447778/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	447778
LCSD 180-447778/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	447778

GC Semi VOA

Prep Batch: 448438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	3541	
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 448481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 8082A	448485
MB 180-448438/1-C	Method Blank	Total/NA	Solid	EPA 8082A	448485
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	448485

Cleanup Batch: 448484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	3665A	448438
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3665A	448438
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3665A	448438

Cleanup Batch: 448485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	3660B	448484
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3660B	448484
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3660B	448484

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162832-1
Project/Site: Former Sperry Remington-Documentation

Metals

Prep Batch: 447576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	7471B	
MB 180-447576/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-447576/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-162832-1 MS	SSHS-IRM5A2-HL2	Total/NA	Solid	7471B	
180-162832-1 MSD	SSHS-IRM5A2-HL2	Total/NA	Solid	7471B	

Prep Batch: 447577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	3050B	
MB 180-447577/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-447577/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-162832-1 MS	SSHS-IRM5A2-HL2	Total/NA	Solid	3050B	
180-162832-1 MSD	SSHS-IRM5A2-HL2	Total/NA	Solid	3050B	

Analysis Batch: 447842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 7471B	447576
MB 180-447576/1-A	Method Blank	Total/NA	Solid	EPA 7471B	447576
LCS 180-447576/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	447576
180-162832-1 MS	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 7471B	447576
180-162832-1 MSD	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 7471B	447576

Analysis Batch: 448863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 6010C	447577
MB 180-447577/1-A	Method Blank	Total/NA	Solid	EPA 6010C	447577
LCS 180-447577/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	447577
180-162832-1 MS	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 6010C	447577
180-162832-1 MSD	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 6010C	447577

Analysis Batch: 448997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 6010C	447577
MB 180-447577/1-A	Method Blank	Total/NA	Solid	EPA 6010C	447577
LCS 180-447577/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	447577
180-162832-1 MS	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 6010C	447577
180-162832-1 MSD	SSHS-IRM5A2-HL2	Total/NA	Solid	EPA 6010C	447577

General Chemistry

Analysis Batch: 447447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162832-1	SSHS-IRM5A2-HL2	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC2

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044	PO #: MN0832I	
Phone: 40-381-4333	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-HL2	9/21/23	1445	G	S	N	N	X	X	X	X									6	

180-162832 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by: Zach Miller	Date/Time: 9/21/23 16:45	Company: Geosyntec	Received by:	Date/Time: 9/22/23 0917	Company: EPTANE
	Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time.	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

10/14/2023

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162832-1

Login Number: 162832
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/19/2023 1:18:07 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162918-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-162918-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162918-1

Receipt
The samples were received on 9/23/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.0º C, 3.7º C and 3.7º C.

GC/MS VOA
Method 8260C: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-447490 recovered below the control limits for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. A low-level LCS (LLCS), spiked at the reporting limit (RL), was prepared with this batch. The affected target analyte recovered within acceptance limits; therefore, the LLCS demonstrates the analytical system had sufficient sensitivity to detect the analyte had it been present. Since the affected target analyte was not detected in the associated samples, the results were reported.

Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-447490 was above the control limits for the following analyte: 1,4-Dioxane. The recoveries were within the control limits.

Method 8260C: The RPD between the matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-EL-B1 (180-162918-8) was above the control limits for the following analytes: Acetone and 2-Hexanone. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-447490 was below criteria for the following analytes: Chloroethane, Chloromethane, Vinyl chloride and 1,4-Dioxane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-447490 was above criteria for the following analytes: Dichlorodifluoromethane, Acetone, and 1,2-Dichloroethane-d4 (surrogate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-EL-B1 (180-162918-8) had several recoveries outside of the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-448149 was above criteria for the following analyte: 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-448481 (CCV 180-448481/1) was above criteria for aroclor 1254 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP1 which met criteria or did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-448638 (CCV 180-448648/1) was above criteria for aroclor 1254 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP1 which met criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Job ID: 180-162918-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Method 6010C: The following samples were inadvertently analyzed at a dilution for arsenic: SSHS-ISMP-NAF-LP2-S1 (180-162918-1), SSHS-ISMP-NAF-LP2-B1 (180-162918-3), and SSHS-ISMP-NAF-EL-S1 (180-162918-4). Elevated reporting limits (RLs) are provided. As the results were above the reporting limit, an undiluted analysis was not completed.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-EL-B1 (180-162918-8) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Solid	09/22/23 15:00	09/23/23 09:55
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Solid	09/22/23 15:05	09/23/23 09:55
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Solid	09/22/23 15:10	09/23/23 09:55
180-162918-4	SSHS-ISMP-NAF-EL-S1	Solid	09/22/23 15:15	09/23/23 09:55
180-162918-5	SSHS-ISMP-NAF-EL-S2	Solid	09/22/23 15:20	09/23/23 09:55
180-162918-6	SSHS-ISMP-NAF-EL-S3	Solid	09/22/23 15:25	09/23/23 09:55
180-162918-7	SSHS-ISMP-NAF-EL-S4	Solid	09/22/23 15:30	09/23/23 09:55
180-162918-8	SSHS-ISMP-NAF-EL-B1	Solid	09/22/23 15:55	09/23/23 09:55
180-162918-9	SSHS-ISMP-NAF-EL-B2	Solid	09/22/23 16:00	09/23/23 09:55
180-162918-10	SSHS-ISMP-DUP23A	Solid	09/22/23 00:00	09/23/23 09:55

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1132 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 15:19	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 11:12	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 20:24	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.61 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 17:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.61 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			448997	10/11/23 17:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:01	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3065 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 13:48	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 11:34	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 20:42	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.58 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 17:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.58 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449114	10/12/23 15:30	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:02	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3
Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3
Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2264 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 14:11	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 11:56	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 20:59	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.65 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 17:51	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3
Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.65 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			448997	10/11/23 17:22	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S1
Lab Sample ID: 180-162918-4
Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S1
Lab Sample ID: 180-162918-4
Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0604 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 13:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 12:18	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 21:17	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.67 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 17:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			448997	10/11/23 17:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:05	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3304 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 15:42	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 12:40	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 21:35	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.61 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.61 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449114	10/12/23 15:35	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:06	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6
Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6
Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2264 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 16:04	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6
Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 13:01	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448648	10/09/23 10:22	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 13:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7
Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7
Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 16:27	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 13:23	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 22:10	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.65 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:21	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7
Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.65 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 13:21	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8
Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8
Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 13:03	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 10:07	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 18:38	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.62 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 17:16	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449114	10/12/23 15:10	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:12	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9
Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9
Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3304 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 16:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 13:45	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 22:28	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.70 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.70 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 13:26	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:15	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447620	09/26/23 14:40	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2607 g	5 mL	447511	09/25/23 07:02	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447490	09/25/23 17:12	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10

Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 14:07	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 22:46	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.78 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:31	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.78 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 13:31	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:16	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- DVC = Daniel Capodanno
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- C1F = Courtney Fenk
- CRL = Craig Tronzo
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Benzene	ND		6.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Chloroform	ND		6.0	4.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
cis-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,4-Dioxane	ND	*1	1200	91	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Styrene	ND		6.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Toluene	ND		6.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,2,4-Trichlorobenzene	ND		6.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Trichlorofluoromethane	ND		6.0	5.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	6.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1
Xylenes, Total	ND		12	8.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*	*09/25/23 07:02*	*09/25/23 15:19*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*09/25/23 07:02*	*09/25/23 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*09/25/23 07:02*	*09/25/23 15:19*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*09/25/23 07:02*	*09/25/23 15:19*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	23	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Acenaphthylene	ND		82	18	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Acetophenone	ND		820	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Anthracene	ND		82	21	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Atrazine	ND		820	180	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Benzaldehyde	ND		820	51	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Benzo[a]anthracene	ND		82	37	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Benzo[a]pyrene	ND		82	35	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Benzo[b]fluoranthene	**38**	**J**	82	20	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Benzo[g,h,i]perylene	**27**	**J**	82	18	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Benzo[k]fluoranthene	ND		82	24	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Caprolactam	ND		2100	270	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Carbazole	ND		82	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4-Chlorophenyl phenyl ether	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Chrysene	ND		82	45	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Dibenz(a,h)anthracene	ND		82	52	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Dibenzofuran	ND		400	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,4-Dichlorophenol	ND		82	31	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4,6-Dinitro-2-methylphenol	ND		2100	700	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
1,4-Dioxane	ND		820	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Fluoranthene	**47**	**J**	82	22	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Fluorene	ND		82	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Hexachlorocyclopentadiene	ND		400	42	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Hexachloroethane	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Indeno[1,2,3-cd]pyrene	ND		82	41	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Isophorone	ND		400	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2-Methylnaphthalene	ND		82	20	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2-Methylphenol	ND		400	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Naphthalene	ND		82	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Nitrobenzene	ND		820	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
N-Nitrosodiphenylamine	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Phenanthrene	ND		82	22	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Phenol	ND		400	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
Pyrene	**43**	**J**	82	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1
2,4,6-Trichlorophenol	ND		400	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*10/02/23 06:19*	*10/03/23 11:12*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*10/02/23 06:19*	*10/03/23 11:12*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*10/02/23 06:19*	*10/03/23 11:12*	*1*
Phenol-d5 (Surr)	*96*		*46 - 105*	*10/02/23 06:19*	*10/03/23 11:12*	*1*
Terphenyl-d14 (Surr)	*89*		*39 - 105*	*10/02/23 06:19*	*10/03/23 11:12*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*10/02/23 06:19*	*10/03/23 11:12*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1221	ND		20	7.2	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1232	ND		20	5.0	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1242	ND		20	3.0	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1248	**12**	**J**	20	4.9	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1254	**10**	**J**	20	6.1	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1260	ND		20	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S1
Lab Sample ID: 180-162918-1
Date Collected: 09/22/23 15:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.8

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		20	7.2	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1
PCB-1268	ND		20	2.7	ug/Kg	☼	10/05/23 13:37	10/06/23 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:24*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:24*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:24*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:24*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		20	5.0	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Antimony	ND		1.0	0.30	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Arsenic	**6.8**		5.0	3.1	mg/Kg	☼	09/29/23 06:55	10/11/23 17:17	5
Barium	**110**		20	3.6	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Beryllium	**0.48**		0.40	0.11	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Cadmium	**0.29**	**J**	0.50	0.074	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Calcium	**3000**		500	65	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Chromium	**14**		0.50	0.46	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Cobalt	**8.1**		5.0	0.71	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Copper	**16**		2.5	1.5	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Iron	**18000**		10	9.8	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Lead	**25**		1.0	0.87	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Magnesium	**2600**		500	55	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Manganese	**520**		1.5	0.28	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Nickel	**20**		4.0	0.50	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Potassium	**640**	**B**	500	85	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Selenium	ND		1.0	0.46	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Silver	ND		0.50	0.10	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Sodium	ND		500	51	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Thallium	**0.33**	**J**	2.0	0.28	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Vanadium	**13**		5.0	0.79	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1
Zinc	**59**		2.0	1.5	mg/Kg	☼	09/29/23 06:55	10/10/23 17:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.038	0.024	mg/Kg	☼	09/27/23 10:15	09/28/23 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.2**		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	**81.8**		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Benzene	ND		5.8	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.8	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,4-Dioxane	ND	*1	1200	88	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Styrene	ND		5.8	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Toluene	ND		5.8	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.8	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*09/25/23 07:02*	*09/25/23 13:48*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*09/25/23 07:02*	*09/25/23 13:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*09/25/23 07:02*	*09/25/23 13:48*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*09/25/23 07:02*	*09/25/23 13:48*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	24	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Acenaphthylene	**23**	**J**	82	18	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Acetophenone	ND		820	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Anthracene	ND		82	21	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Atrazine	ND		820	180	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Benzaldehyde	ND		820	51	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Benzo[a]anthracene	**110**		82	37	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Benzo[a]pyrene	**150**		82	36	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Benzo[b]fluoranthene	**180**		82	20	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Benzo[g,h,i]perylene	**130**		82	18	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Benzo[k]fluoranthene	**60**	**J**	82	25	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4-Bromophenyl phenyl ether	ND		410	170	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Caprolactam	ND		2100	270	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Carbazole	ND		82	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Chrysene	**120**		82	45	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Dibenz(a,h)anthracene	ND		82	52	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Dibenzofuran	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,4-Dichlorophenol	ND		82	32	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,4-Dinitrophenol	ND		4100	2500	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,4-Dinitrotoluene	ND		410	240	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2
Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		820	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Fluoranthene	**140**		82	22	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Fluorene	ND		82	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Hexachloroethane	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Indeno[1,2,3-cd]pyrene	**110**		82	41	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Isophorone	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2-Methylnaphthalene	ND		82	20	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2-Methylphenol	ND		410	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Naphthalene	ND		82	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Nitrobenzene	ND		820	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Phenanthrene	**34**	**J**	82	22	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Phenol	ND		410	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
Pyrene	**130**		82	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*44 - 105*	*10/02/23 06:19*	*10/03/23 11:34*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*10/02/23 06:19*	*10/03/23 11:34*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*	*10/02/23 06:19*	*10/03/23 11:34*	*1*
Phenol-d5 (Surr)	*98*		*46 - 105*	*10/02/23 06:19*	*10/03/23 11:34*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 105*	*10/02/23 06:19*	*10/03/23 11:34*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*10/02/23 06:19*	*10/03/23 11:34*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1221	ND		20	7.1	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1232	ND		20	4.9	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1242	ND		20	2.9	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1248	**20**		20	4.8	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1254	**15**	**J**	20	6.0	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1260	ND		20	5.7	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1262	ND		20	7.1	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1
PCB-1268	ND		20	2.7	ug/Kg	☼	10/05/23 13:37	10/06/23 20:42	1

Client Sample ID: SSHS-ISMP-NAF-LP2-S2
Lab Sample ID: 180-162918-2

Date Collected: 09/22/23 15:05
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 81.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:42*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:42*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:42*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:42*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		21	5.3	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Antimony	ND		1.1	0.32	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Arsenic	**6.9**		1.1	0.66	mg/Kg	☼	09/29/23 06:55	10/12/23 15:30	1
Barium	**100**		21	3.8	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Beryllium	**0.44**		0.42	0.12	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Cadmium	**0.33**	**J**	0.53	0.078	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Calcium	**32000**		530	68	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Chromium	**13**		0.53	0.48	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Cobalt	**7.9**		5.3	0.75	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Copper	**17**		2.6	1.6	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Iron	**17000**		11	10	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Lead	**18**		1.1	0.92	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Magnesium	**4800**		530	58	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Manganese	**530**		1.6	0.29	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Nickel	**19**		4.2	0.53	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Potassium	**690**	**B**	530	90	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Selenium	ND		1.1	0.49	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Silver	ND		0.53	0.11	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Sodium	**58**	**J**	530	54	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Thallium	ND		2.1	0.30	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Vanadium	**13**		5.3	0.84	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1
Zinc	**60**		2.1	1.5	mg/Kg	☼	09/29/23 06:55	10/10/23 17:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.14**		0.040	0.026	mg/Kg	☼	09/27/23 10:15	09/28/23 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.6**		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	**81.4**		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3

Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Benzene	ND		5.1	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3
Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,4-Dioxane	ND	*1	1000	77	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Methyl acetate	ND		25	7.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Styrene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Toluene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	09/25/23 07:02	09/25/23 14:11	1

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3

Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*09/25/23 07:02*	*09/25/23 14:11*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/25/23 07:02*	*09/25/23 14:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*09/25/23 07:02*	*09/25/23 14:11*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*09/25/23 07:02*	*09/25/23 14:11*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Acenaphthylene	ND		69	15	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Acetophenone	ND		690	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Anthracene	ND		69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Atrazine	ND		690	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Benzaldehyde	ND		690	43	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Benzo[a]anthracene	**41**	**J**	69	31	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Benzo[a]pyrene	**43**	**J**	69	30	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Benzo[b]fluoranthene	**57**	**J**	69	17	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Benzo[g,h,i]perylene	**34**	**J**	69	15	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Benzo[k]fluoranthene	**22**	**J**	69	21	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Caprolactam	ND		1800	220	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Carbazole	ND		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Chrysene	ND		69	38	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Dibenzofuran	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Fluoranthene	**53**	**J**	69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Fluorene	ND		69	14	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3
Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Hexachloroethane	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Indeno[1,2,3-cd]pyrene	ND		69	34	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Isophorone	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2-Methylphenol	ND		340	99	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Naphthalene	ND		69	13	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Nitrobenzene	ND		690	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Phenanthrene	ND		69	19	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Phenol	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
Pyrene	**52**	**J**	69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*10/02/23 06:19*	*10/03/23 11:56*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*10/02/23 06:19*	*10/03/23 11:56*	*1*
Nitrobenzene-d5 (Surr)	*82*		*46 - 105*	*10/02/23 06:19*	*10/03/23 11:56*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*10/02/23 06:19*	*10/03/23 11:56*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*10/02/23 06:19*	*10/03/23 11:56*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*34 - 108*	*10/02/23 06:19*	*10/03/23 11:56*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1232	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1248	**47**		18	4.2	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1254	**34**		18	5.3	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1260	**9.0**	**J**	18	5.0	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1262	ND		18	6.2	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:59*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*10/05/23 13:37*	*10/06/23 20:59*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:59*	*1*

Client Sample ID: SSHS-ISMP-NAF-LP2-B1
Lab Sample ID: 180-162918-3

Date Collected: 09/22/23 15:10
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.2

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*10/05/23 13:37*	*10/06/23 20:59*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7900**		16	4.1	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Antimony	ND		0.82	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Arsenic	**5.8**		4.1	2.6	mg/Kg	☼	09/29/23 06:55	10/11/23 17:22	5
Barium	**70**		16	2.9	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Beryllium	**0.34**		0.33	0.089	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Cadmium	**0.29**	**J**	0.41	0.060	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Calcium	**26000**		410	53	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Chromium	**12**		0.41	0.37	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Cobalt	**6.5**		4.1	0.57	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Copper	**21**		2.0	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Iron	**17000**		8.2	8.0	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Lead	**19**		0.82	0.71	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Magnesium	**6900**		410	45	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Manganese	**450**		1.2	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Nickel	**17**		3.3	0.41	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Potassium	**560**	**B**	410	69	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Selenium	ND		0.82	0.38	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Silver	ND		0.41	0.085	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Sodium	**55**	**J**	410	42	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Thallium	ND		1.6	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Vanadium	**11**		4.1	0.65	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1
Zinc	**76**		1.6	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 17:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.039**		0.034	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.8**		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	**94.2**		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-S1
Lab Sample ID: 180-162918-4

Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S1
Lab Sample ID: 180-162918-4
Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,4-Dioxane	ND	*1	1100	80	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Methyl acetate	ND		26	7.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.3	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*09/25/23 07:02*	*09/25/23 13:26*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*09/25/23 07:02*	*09/25/23 13:26*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-S1
Lab Sample ID: 180-162918-4

Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*	*09/25/23 07:02*	*09/25/23 13:26*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*09/25/23 07:02*	*09/25/23 13:26*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Acenaphthylene	**38**	**J**	69	15	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Acetophenone	ND		690	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Anthracene	**25**	**J**	69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Atrazine	ND		690	150	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Benzaldehyde	ND		690	43	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Benzo[a]anthracene	**65**	**J**	69	31	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Benzo[a]pyrene	**89**		69	30	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Benzo[b]fluoranthene	**100**		69	17	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Benzo[g,h,i]perylene	**110**		69	15	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Benzo[k]fluoranthene	**44**	**J**	69	21	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Caprolactam	ND		1800	220	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Carbazole	ND		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4-Chloroaniline	ND		340	90	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Chrysene	**68**	**J**	69	38	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Dibenzofuran	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4,6-Dinitro-2-methylphenol	ND		1800	590	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Fluoranthene	**97**		69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Fluorene	ND		69	14	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S1
Lab Sample ID: 180-162918-4
Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Indeno[1,2,3-cd]pyrene	**77**		69	34	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Isophorone	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2-Methylnaphthalene	ND		69	17	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2-Methylphenol	ND		340	99	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Naphthalene	**41**	**J**	69	13	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Nitrobenzene	ND		690	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Phenanthrene	**45**	**J**	69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Phenol	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
Pyrene	**93**		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*10/02/23 06:19*	*10/03/23 12:18*	*1*
2-Fluorophenol (Surr)	*90*		*48 - 105*	*10/02/23 06:19*	*10/03/23 12:18*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*10/02/23 06:19*	*10/03/23 12:18*	*1*
Phenol-d5 (Surr)	*99*		*46 - 105*	*10/02/23 06:19*	*10/03/23 12:18*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*10/02/23 06:19*	*10/03/23 12:18*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*34 - 108*	*10/02/23 06:19*	*10/03/23 12:18*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1221	ND		17	6.2	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1232	ND		17	4.2	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1242	ND		17	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1248	**170**		17	4.2	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1254	**370**		17	5.2	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1260	**160**		17	5.0	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1262	ND		17	6.1	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1
PCB-1268	ND		17	2.3	ug/Kg	☼	10/05/23 13:37	10/06/23 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*10/05/23 13:37*	*10/06/23 21:17*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*10/05/23 13:37*	*10/06/23 21:17*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*10/05/23 13:37*	*10/06/23 21:17*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*10/05/23 13:37*	*10/06/23 21:17*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-S1

Lab Sample ID: 180-162918-4
Date Collected: 09/22/23 15:15
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.7

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6700		16	4.0	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Antimony	0.26	J	0.80	0.24	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Arsenic	6.2		4.0	2.5	mg/Kg	☼	09/29/23 06:55	10/11/23 17:38	5
Barium	77		16	2.8	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Beryllium	0.26	J	0.32	0.087	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Cadmium	0.26	J	0.40	0.058	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Calcium	28000		400	51	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Chromium	11		0.40	0.36	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Cobalt	5.9		4.0	0.56	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Copper	33		2.0	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Iron	16000		8.0	7.8	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Lead	17		0.80	0.69	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Magnesium	5500		400	44	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Manganese	380		1.2	0.22	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Nickel	49		3.2	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Potassium	550	B	400	68	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Selenium	ND		0.80	0.37	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Silver	ND		0.40	0.083	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Sodium	58	J	400	41	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Thallium	ND		1.6	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Vanadium	11		4.0	0.63	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1
Zinc	66		1.6	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 17:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.023	mg/Kg	☼	09/27/23 10:15	09/28/23 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.3		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	93.7		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-S2

Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Benzene	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Chloroform	ND		5.0	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,4-Dioxane	ND	*1	1000	76	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Ethylbenzene	ND		5.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Methyl acetate	ND		25	7.3	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Styrene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Toluene	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
trans-1,2-Dichloroethene	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2,3-Trichlorobenzene	ND		10	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Trichlorofluoromethane	ND		5.0	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	09/25/23 07:02	09/25/23 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*09/25/23 07:02*	*09/25/23 15:42*	*1*
Dibromofluoromethane (Surr)	*99*		*69 - 126*	*09/25/23 07:02*	*09/25/23 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*	*09/25/23 07:02*	*09/25/23 15:42*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/25/23 07:02*	*09/25/23 15:42*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		69	20	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Acenaphthylene	**82**		69	15	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Acetophenone	ND		690	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Anthracene	**43**	**J**	69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Atrazine	ND		690	150	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Benzaldehyde	ND		690	43	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Benzo[a]anthracene	**180**		69	31	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Benzo[a]pyrene	**200**		69	30	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Benzo[b]fluoranthene	**280**		69	17	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Benzo[g,h,i]perylene	**270**		69	15	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Benzo[k]fluoranthene	**80**		69	21	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Bis(2-chloroethyl)ether	ND		69	13	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Caprolactam	ND		1800	220	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Carbazole	**20**	**J**	69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2-Chloronaphthalene	ND		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Chrysene	**170**		69	38	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Dibenz(a,h)anthracene	ND		69	44	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Dibenzofuran	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,4-Dichlorophenol	ND		69	27	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
1,4-Dioxane	ND		690	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Fluoranthene	**320**		69	18	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Fluorene	ND		69	14	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Hexachlorobenzene	ND		69	25	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Hexachlorobutadiene	ND		69	20	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Hexachloroethane	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Indeno[1,2,3-cd]pyrene	**200**		69	34	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Isophorone	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2-Methylnaphthalene	**43**	**J**	69	17	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2-Methylphenol	ND		340	99	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5
Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Naphthalene	**160**		69	13	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Nitrobenzene	ND		690	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
N-Nitrosodi-n-propylamine	ND		69	23	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,2'-oxybis[1-chloropropane]	ND		69	26	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Pentachlorophenol	ND		1800	550	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Phenanthrene	**120**		69	19	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Phenol	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
Pyrene	**310**		69	16	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*44 - 105*	*10/02/23 06:19*	*10/03/23 12:40*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*10/02/23 06:19*	*10/03/23 12:40*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*10/02/23 06:19*	*10/03/23 12:40*	*1*
Phenol-d5 (Surr)	*85*		*46 - 105*	*10/02/23 06:19*	*10/03/23 12:40*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*10/02/23 06:19*	*10/03/23 12:40*	*1*
2,4,6-Tribromophenol (Surr)	*47*		*34 - 108*	*10/02/23 06:19*	*10/03/23 12:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1232	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1248	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1254	**170**		18	5.3	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1260	**91**		18	5.0	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1262	ND		18	6.2	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*10/05/23 13:37*	*10/06/23 21:35*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*10/05/23 13:37*	*10/06/23 21:35*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*10/05/23 13:37*	*10/06/23 21:35*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*10/05/23 13:37*	*10/06/23 21:35*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6800**		17	4.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Antimony	ND		0.87	0.26	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1

Client Sample ID: SSHS-ISMP-NAF-EL-S2
Lab Sample ID: 180-162918-5

Date Collected: 09/22/23 15:20
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		0.87	0.55	mg/Kg	☼	09/29/23 06:55	10/12/23 15:35	1
Barium	68		17	3.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Beryllium	0.28	J	0.35	0.095	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Cadmium	0.25	J	0.44	0.064	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Calcium	32000		440	56	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Chromium	9.0		0.44	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Cobalt	5.9		4.4	0.61	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Copper	29		2.2	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Iron	17000		8.7	8.5	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Lead	20		0.87	0.76	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Magnesium	5300		440	48	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Manganese	350		1.3	0.24	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Nickel	31		3.5	0.44	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Potassium	510	B	440	74	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Selenium	ND		0.87	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Silver	ND		0.44	0.091	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Sodium	59	J	440	45	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Thallium	ND		1.7	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Vanadium	10		4.4	0.69	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1
Zinc	64		1.7	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:11	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.031	0.020	mg/Kg	☼	09/27/23 10:15	09/28/23 13:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.9		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	94.1		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6

Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Benzene	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6
Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,4-Dioxane	ND	*1	1000	76	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Styrene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Toluene	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*09/25/23 07:02*	*09/25/23 16:04*	*1*
Dibromofluoromethane (Surr)	*91*		*69 - 126*	*09/25/23 07:02*	*09/25/23 16:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*	*09/25/23 07:02*	*09/25/23 16:04*	*1*
Toluene-d8 (Surr)	*79*		*67 - 134*	*09/25/23 07:02*	*09/25/23 16:04*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6
Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**35**	**J**	70	15	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Acetophenone	ND		700	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Anthracene	ND		70	18	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Atrazine	ND		700	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Benzaldehyde	ND		700	43	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Benzo[a]anthracene	**58**	**J**	70	31	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Benzo[a]pyrene	**66**	**J**	70	30	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Benzo[b]fluoranthene	**88**		70	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Benzo[g,h,i]perylene	**89**		70	15	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Benzo[k]fluoranthene	**35**	**J**	70	21	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
1,1'-Biphenyl	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Bis(2-chloroethoxy)methane	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Bis(2-ethylhexyl) phthalate	ND		3400	370	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4-Bromophenyl phenyl ether	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Butyl benzyl phthalate	ND		340	240	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Carbazole	ND		70	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4-Chloroaniline	ND		340	91	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4-Chlorophenyl phenyl ether	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Chrysene	**64**	**J**	70	39	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Dibenz(a,h)anthracene	ND		70	44	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Dibenzofuran	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,4-Dimethylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Dimethyl phthalate	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,4-Dinitrophenol	ND		3400	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,4-Dinitrotoluene	ND		340	210	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,6-Dinitrotoluene	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Fluoranthene	**85**		70	18	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Fluorene	ND		70	14	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Hexachlorocyclopentadiene	ND		340	36	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Hexachloroethane	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Indeno[1,2,3-cd]pyrene	**64**	**J**	70	35	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Isophorone	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2-Methylphenol	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6
Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**63**	**J**	70	14	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
3-Nitroaniline	ND		1800	88	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Nitrobenzene	ND		700	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
4-Nitrophenol	ND		1800	240	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
N-Nitrosodiphenylamine	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Phenanthrene	**40**	**J**	70	19	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Phenol	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
Pyrene	**87**		70	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
1,2,4,5-Tetrachlorobenzene	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1
2,4,6-Trichlorophenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*10/02/23 06:19*	*10/03/23 13:01*	*1*
2-Fluorophenol (Surr)	*85*		*48 - 105*	*10/02/23 06:19*	*10/03/23 13:01*	*1*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*	*10/02/23 06:19*	*10/03/23 13:01*	*1*
Phenol-d5 (Surr)	*93*		*46 - 105*	*10/02/23 06:19*	*10/03/23 13:01*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*10/02/23 06:19*	*10/03/23 13:01*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*10/02/23 06:19*	*10/03/23 13:01*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1221	ND		17	6.1	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1232	ND		17	4.2	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1242	ND		17	2.5	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1248	ND		17	4.1	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1254	**350**	**p**	17	5.2	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1260	**170**		17	4.9	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1262	ND		17	6.1	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1
PCB-1268	ND		17	2.3	ug/Kg	☼	10/05/23 13:37	10/09/23 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*10/05/23 13:37*	*10/09/23 10:22*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:37*	*10/09/23 10:22*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*10/05/23 13:37*	*10/09/23 10:22*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*10/05/23 13:37*	*10/09/23 10:22*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6000**		17	4.4	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Antimony	ND		0.87	0.26	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Arsenic	**6.4**		0.87	0.55	mg/Kg	☼	09/29/23 06:55	10/16/23 13:16	1

Client Sample ID: SSHS-ISMP-NAF-EL-S3
Lab Sample ID: 180-162918-6

Date Collected: 09/22/23 15:25
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 95.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	69		17	3.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Beryllium	0.25	J	0.35	0.095	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Cadmium	0.25	J	0.44	0.064	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Calcium	30000		440	56	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Chromium	8.9		0.44	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Cobalt	5.8		4.4	0.62	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Copper	27		2.2	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Iron	15000		8.7	8.5	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Lead	16		0.87	0.76	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Magnesium	6400		440	48	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Manganese	470		1.3	0.24	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Nickel	44		3.5	0.44	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Potassium	470	B	440	74	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Selenium	ND		0.87	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Silver	ND		0.44	0.091	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Sodium	69	J	440	45	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Thallium	ND		1.7	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Vanadium	10		4.4	0.69	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1
Zinc	66		1.7	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.031	0.020	mg/Kg	☼	09/27/23 10:15	09/28/23 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	4.6		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	95.4		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7

Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Benzene	ND		5.2	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Carbon disulfide	ND		5.2	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Chlorobenzene	ND		5.2	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7
Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2-Dichlorobenzene	ND		5.2	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,1-Dichloroethene	ND		5.2	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2-Dichloroethene, Total	ND		10	4.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,4-Dioxane	ND	*1	1000	79	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
m-Xylene & p-Xylene	ND		5.2	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Styrene	ND		5.2	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Toluene	ND		5.2	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2,3-Trichlorobenzene	ND		10	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,2,4-Trichlorobenzene	ND		5.2	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.2	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Vinyl chloride	ND		5.2	3.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*09/25/23 07:02*	*09/25/23 16:27*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*09/25/23 07:02*	*09/25/23 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*09/25/23 07:02*	*09/25/23 16:27*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/25/23 07:02*	*09/25/23 16:27*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Acenaphthylene	**100**		70	15	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7

Date Collected: 09/22/23 15:30
Matrix: Solid

Date Received: 09/23/23 09:55
Percent Solids: 93.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		700	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Anthracene	**55**	**J**	70	18	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Atrazine	ND		700	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Benzaldehyde	ND		700	43	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Benzo[a]anthracene	**260**		70	32	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Benzo[a]pyrene	**280**		70	30	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Benzo[b]fluoranthene	**280**		70	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Benzo[g,h,i]perylene	**260**		70	15	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Benzo[k]fluoranthene	**130**		70	21	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Carbazole	ND		70	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Chrysene	**240**		70	39	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Dibenz(a,h)anthracene	**58**	**J**	70	45	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Dibenzofuran	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4,6-Dinitro-2-methylphenol	ND		1800	600	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Fluoranthene	**420**		70	18	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Fluorene	ND		70	14	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Hexachloroethane	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Indeno[1,2,3-cd]pyrene	**210**		70	35	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Isophorone	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2-Methylnaphthalene	**31**	**J**	70	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2-Methylphenol	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Naphthalene	**48**	**J**	70	14	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7
Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Nitrobenzene	ND		700	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Phenanthrene	**150**		70	19	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Phenol	ND		350	110	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
Pyrene	**380**		70	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*10/02/23 06:19*	*10/03/23 13:23*	*1*
2-Fluorophenol (Surr)	*80*		*48 - 105*	*10/02/23 06:19*	*10/03/23 13:23*	*1*
Nitrobenzene-d5 (Surr)	*72*		*46 - 105*	*10/02/23 06:19*	*10/03/23 13:23*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*10/02/23 06:19*	*10/03/23 13:23*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*10/02/23 06:19*	*10/03/23 13:23*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*10/02/23 06:19*	*10/03/23 13:23*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1232	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1248	**420**		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1254	**490**		18	5.4	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1260	**160**		18	5.1	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1262	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:37*	*10/06/23 22:10*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*10/05/23 13:37*	*10/06/23 22:10*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*10/05/23 13:37*	*10/06/23 22:10*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*10/05/23 13:37*	*10/06/23 22:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		16	4.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Antimony	**0.30**	**J**	0.82	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Arsenic	**7.0**		0.82	0.52	mg/Kg	☼	09/29/23 06:55	10/16/23 13:21	1
Barium	**83**		16	2.9	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1

Client Sample ID: SSHS-ISMP-NAF-EL-S4
Lab Sample ID: 180-162918-7

Date Collected: 09/22/23 15:30
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 93.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.33		0.33	0.090	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Cadmium	0.35	J	0.41	0.060	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Calcium	46000		410	53	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Chromium	10		0.41	0.37	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Cobalt	5.7		4.1	0.58	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Copper	34		2.1	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Iron	15000		8.2	8.0	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Lead	47		0.82	0.72	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Magnesium	4100		410	45	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Manganese	360		1.2	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Nickel	21		3.3	0.42	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Potassium	570	B	410	70	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Selenium	ND		0.82	0.38	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Silver	ND		0.41	0.086	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Sodium	100	J	410	42	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Thallium	ND		1.6	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Vanadium	13		4.1	0.65	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1
Zinc	74		1.6	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 18:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.074		0.034	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	6.6		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	93.4		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8

Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 89.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F2	27	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Benzene	ND		5.4	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8
Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 89.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,4-Dioxane	ND	*1	1100	82	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
2-Hexanone	ND	F2	27	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Styrene	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Toluene	ND		5.4	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.4	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	09/25/23 07:02	09/25/23 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*09/25/23 07:02*	*09/25/23 13:03*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*09/25/23 07:02*	*09/25/23 13:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*73 - 135*	*09/25/23 07:02*	*09/25/23 13:03*	*1*
Toluene-d8 (Surr)	*74*		*67 - 134*	*09/25/23 07:02*	*09/25/23 13:03*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Acenaphthylene	**400**		74	16	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Acetophenone	ND		740	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8
Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 89.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**200**		74	19	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Atrazine	ND	F1	740	160	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Benzaldehyde	ND	F1	740	46	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Benzo[a]anthracene	**660**		74	33	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Benzo[a]pyrene	**870**		74	32	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Benzo[b]fluoranthene	**1000**		74	18	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Benzo[g,h,i]perylene	**1200**	**F1**	74	16	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Benzo[k]fluoranthene	**490**		74	22	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Bis(2-ethylhexyl) phthalate	ND	F1	3600	390	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Caprolactam	ND	F1	1900	240	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Carbazole	**120**		74	17	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Chrysene	**710**		74	41	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Dibenz(a,h)anthracene	**190**	**F1**	74	47	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Dibenzofuran	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4,6-Dinitro-2-methylphenol	ND		1900	640	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Fluoranthene	**1200**		74	19	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Fluorene	**26**	**J**	74	14	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Hexachlorocyclopentadiene	ND	F1	360	38	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Hexachloroethane	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Indeno[1,2,3-cd]pyrene	**850**	**F1**	74	37	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Isophorone	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2-Methylnaphthalene	**210**		74	18	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2-Methylphenol	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Naphthalene	**840**		74	14	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8
Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 89.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1900	94	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4-Nitroaniline	ND	F1	1900	140	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Nitrobenzene	ND		740	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Phenanthrene	**550**		74	20	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Phenol	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
Pyrene	**1100**		74	17	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*10/02/23 06:19*	*10/03/23 10:07*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*10/02/23 06:19*	*10/03/23 10:07*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*10/02/23 06:19*	*10/03/23 10:07*	*1*
Phenol-d5 (Surr)	*96*		*46 - 105*	*10/02/23 06:19*	*10/03/23 10:07*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*10/02/23 06:19*	*10/03/23 10:07*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*34 - 108*	*10/02/23 06:19*	*10/03/23 10:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1221	ND		18	6.5	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1232	ND		18	4.5	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1242	ND		18	2.7	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1248	**81**		18	4.4	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1254	**180**		18	5.5	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1260	**110**		18	5.2	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1262	ND		18	6.4	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1
PCB-1268	ND		18	2.5	ug/Kg	☼	10/05/23 13:37	10/06/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*10/05/23 13:37*	*10/06/23 18:38*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*10/05/23 13:37*	*10/06/23 18:38*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*10/05/23 13:37*	*10/06/23 18:38*	*1*
Tetrachloro-m-xylene (Surr)	*95*		*55 - 135*	*10/05/23 13:37*	*10/06/23 18:38*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		18	4.5	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Antimony	**0.35**	**J F1**	0.90	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Arsenic	**6.2**		0.90	0.56	mg/Kg	☼	09/29/23 06:55	10/12/23 15:10	1
Barium	**400**		18	3.2	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Beryllium	**0.31**	**J**	0.36	0.098	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Lab Sample ID: 180-162918-8

Date Collected: 09/22/23 15:55
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 89.9

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.32	J	0.45	0.066	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Calcium	30000	F2	450	58	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Chromium	10		0.45	0.41	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Cobalt	6.2		4.5	0.63	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Copper	36		2.2	1.4	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Iron	17000		9.0	8.7	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Lead	59	F1	0.90	0.78	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Magnesium	4000	F1 F2	450	49	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Manganese	680		1.3	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Nickel	42		3.6	0.45	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Potassium	480	B	450	76	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Selenium	ND		0.90	0.41	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Silver	ND		0.45	0.093	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Sodium	72	J	450	46	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Thallium	0.44	J	1.8	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Vanadium	13		4.5	0.71	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1
Zinc	130		1.8	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 17:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.036	0.023	mg/Kg	☼	09/27/23 10:15	09/28/23 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.1		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	89.9		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9

Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Benzene	ND		5.1	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9

Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Dichlorodifluoromethane	ND		5.1	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,4-Dioxane	ND	*1	1000	77	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Styrene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Toluene	ND		5.1	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.1	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	09/25/23 07:02	09/25/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*09/25/23 07:02*	*09/25/23 16:49*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*09/25/23 07:02*	*09/25/23 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*73 - 135*	*09/25/23 07:02*	*09/25/23 16:49*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*09/25/23 07:02*	*09/25/23 16:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Acenaphthylene	**45**	**J**	71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Acetophenone	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Anthracene	**20**	**J**	71	18	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9
Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		710	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Benzaldehyde	ND		710	44	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Benzo[a]anthracene	**63**	**J**	71	32	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Benzo[a]pyrene	**82**		71	31	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Benzo[b]fluoranthene	**92**		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Benzo[g,h,i]perylene	**100**		71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Benzo[k]fluoranthene	**40**	**J**	71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Carbazole	ND		71	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Chrysene	**69**	**J**	71	39	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Dibenzofuran	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Fluoranthene	**96**		71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Fluorene	ND		71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Hexachloroethane	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Indeno[1,2,3-cd]pyrene	**76**		71	35	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Isophorone	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2-Methylnaphthalene	**23**	**J**	71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2-Methylphenol	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Naphthalene	**40**	**J**	71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1

Client Sample ID: SSHS-ISMP-NAF-EL-B2
Lab Sample ID: 180-162918-9
Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Nitrobenzene	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Phenanthrene	**47**	**J**	71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Phenol	ND		350	110	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
Pyrene	**91**		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*10/02/23 06:19*	*10/03/23 13:45*	*1*
2-Fluorophenol (Surr)	*89*		*48 - 105*	*10/02/23 06:19*	*10/03/23 13:45*	*1*
Nitrobenzene-d5 (Surr)	*93*		*46 - 105*	*10/02/23 06:19*	*10/03/23 13:45*	*1*
Phenol-d5 (Surr)	*98*		*46 - 105*	*10/02/23 06:19*	*10/03/23 13:45*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*10/02/23 06:19*	*10/03/23 13:45*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*10/02/23 06:19*	*10/03/23 13:45*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1221	ND		18	6.4	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1248	**96**		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1254	**110**		18	5.4	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1260	**51**		18	5.1	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1262	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*10/05/23 13:37*	*10/06/23 22:28*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:37*	*10/06/23 22:28*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*10/05/23 13:37*	*10/06/23 22:28*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*10/05/23 13:37*	*10/06/23 22:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7700**		15	3.8	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Antimony	ND		0.77	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Arsenic	**7.4**		0.77	0.48	mg/Kg	☼	09/29/23 06:55	10/16/23 13:26	1
Barium	**74**		15	2.7	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Beryllium	**0.32**		0.31	0.084	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Cadmium	**0.31**	**J**	0.39	0.057	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1

Client Sample ID: SSHS-ISMP-NAF-EL-B2

Lab Sample ID: 180-162918-9

Date Collected: 09/22/23 16:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 92.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	22000		390	50	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Chromium	11		0.39	0.35	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Cobalt	7.7		3.9	0.54	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Copper	37		1.9	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Iron	19000		7.7	7.5	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Lead	68		0.77	0.67	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Magnesium	5300		390	42	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Manganese	630		1.2	0.21	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Nickel	45		3.1	0.39	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Potassium	620	B	390	66	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Selenium	ND		0.77	0.35	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Silver	ND		0.39	0.080	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Sodium	64	J	390	39	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Thallium	ND		1.5	0.22	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Vanadium	13		3.9	0.61	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1
Zinc	65		1.5	1.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:26	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J	0.033	0.021	mg/Kg	☼	09/27/23 10:15	09/28/23 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.2		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	92.8		0.1	0.1	%			09/26/23 14:40	1

Client Sample ID: SSHS-ISMP-DUP23A

Lab Sample ID: 180-162918-10

Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Benzene	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
2-Butanone (MEK)	ND		25	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,4-Dioxane	ND	*1	1000	76	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Styrene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Toluene	ND		5.0	1.5	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	5.0	2.0	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	09/25/23 07:02	09/25/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*09/25/23 07:02*	*09/25/23 17:12*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*09/25/23 07:02*	*09/25/23 17:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*09/25/23 07:02*	*09/25/23 17:12*	*1*
Toluene-d8 (Surr)	*85*		*67 - 134*	*09/25/23 07:02*	*09/25/23 17:12*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Acenaphthylene	**55**	**J**	71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Acetophenone	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Anthracene	**42**	**J**	71	18	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Atrazine	ND		710	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		710	44	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Benzo[a]anthracene	**150**		71	32	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Benzo[a]pyrene	**150**		71	31	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Benzo[b]fluoranthene	**180**		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Benzo[g,h,i]perylene	**150**		71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Benzo[k]fluoranthene	**57**	**J**	71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Carbazole	ND		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Chrysene	**150**		71	39	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Dibenzofuran	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Fluoranthene	**270**		71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Fluorene	ND		71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Hexachloroethane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Indeno[1,2,3-cd]pyrene	**110**		71	35	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Isophorone	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2-Methylnaphthalene	**27**	**J**	71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2-Methylphenol	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Naphthalene	**56**	**J**	71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10

Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Phenanthrene	**160**		71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Phenol	ND		350	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
Pyrene	**230**		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*44 - 105*	*10/02/23 06:19*	*10/03/23 14:07*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*10/02/23 06:19*	*10/03/23 14:07*	*1*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*	*10/02/23 06:19*	*10/03/23 14:07*	*1*
Phenol-d5 (Surr)	*94*		*46 - 105*	*10/02/23 06:19*	*10/03/23 14:07*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*10/02/23 06:19*	*10/03/23 14:07*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*	*10/02/23 06:19*	*10/03/23 14:07*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.7	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1221	ND		17	6.2	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1232	ND		17	4.2	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1242	ND		17	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1248	**160**		17	4.2	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1254	**170**		17	5.2	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1260	**72**		17	5.0	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1262	ND		17	6.1	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1
PCB-1268	ND		17	2.3	ug/Kg	☼	10/05/23 13:37	10/06/23 22:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*10/05/23 13:37*	*10/06/23 22:46*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*10/05/23 13:37*	*10/06/23 22:46*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*10/05/23 13:37*	*10/06/23 22:46*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*10/05/23 13:37*	*10/06/23 22:46*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6300**		14	3.4	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Antimony	ND		0.68	0.21	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Arsenic	**6.9**		0.68	0.43	mg/Kg	☼	09/29/23 06:55	10/16/23 13:31	1
Barium	**61**		14	2.4	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Beryllium	**0.27**		0.27	0.074	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Cadmium	**0.28**	**J**	0.34	0.050	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Calcium	**21000**		340	44	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP23A
Lab Sample ID: 180-162918-10
Date Collected: 09/22/23 00:00
Matrix: Solid
Date Received: 09/23/23 09:55
Percent Solids: 94.4

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	9.7		0.34	0.31	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Cobalt	6.5		3.4	0.48	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Copper	27		1.7	1.0	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Iron	17000		6.8	6.6	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Lead	14		0.68	0.59	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Magnesium	5400		340	37	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Manganese	420		1.0	0.19	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Nickel	50		2.7	0.34	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Potassium	520	B	340	58	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Selenium	ND		0.68	0.31	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Silver	ND		0.34	0.071	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Sodium	57	J	340	35	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Thallium	ND		1.4	0.19	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Vanadium	10		3.4	0.54	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1
Zinc	60		1.4	0.99	mg/Kg	☼	09/29/23 06:55	10/10/23 18:31	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.034	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.6		0.1	0.1	%			09/26/23 14:40	1
Percent Solids (SM22 2540G)	94.4		0.1	0.1	%			09/26/23 14:40	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-447490/10
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/25/23 12:41	1
Benzene	ND		5.0	1.4	ug/Kg			09/25/23 12:41	1
Bromoform	ND		5.0	2.5	ug/Kg			09/25/23 12:41	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/25/23 12:41	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/25/23 12:41	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/25/23 12:41	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/25/23 12:41	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/25/23 12:41	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/25/23 12:41	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/25/23 12:41	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/25/23 12:41	1
Chloroform	ND		5.0	3.4	ug/Kg			09/25/23 12:41	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/25/23 12:41	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/25/23 12:41	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/25/23 12:41	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/25/23 12:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/25/23 12:41	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/25/23 12:41	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/25/23 12:41	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/25/23 12:41	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/25/23 12:41	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/25/23 12:41	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/25/23 12:41	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/25/23 12:41	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/25/23 12:41	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/25/23 12:41	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/25/23 12:41	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/25/23 12:41	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/25/23 12:41	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/25/23 12:41	1
2-Hexanone	ND		25	1.6	ug/Kg			09/25/23 12:41	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/25/23 12:41	1
Methyl acetate	ND		25	7.4	ug/Kg			09/25/23 12:41	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/25/23 12:41	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/25/23 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/25/23 12:41	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/25/23 12:41	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/25/23 12:41	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/25/23 12:41	1
Styrene	ND		5.0	1.5	ug/Kg			09/25/23 12:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/25/23 12:41	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/25/23 12:41	1
Toluene	ND		5.0	1.4	ug/Kg			09/25/23 12:41	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/25/23 12:41	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/25/23 12:41	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/25/23 12:41	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/25/23 12:41	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/25/23 12:41	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-447490/10
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/25/23 12:41	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/25/23 12:41	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/25/23 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/25/23 12:41	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/25/23 12:41	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/25/23 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*		*09/25/23 12:41*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*		*09/25/23 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*		*09/25/23 12:41*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*		*09/25/23 12:41*	*1*

Lab Sample ID: LCS 180-447490/6
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	45.2		ug/Kg		113	23 - 170
Benzene	40.0	33.1		ug/Kg		83	77 - 120
Bromoform	40.0	40.6		ug/Kg		101	37 - 147
Bromomethane	40.0	31.7		ug/Kg		79	47 - 149
2-Butanone (MEK)	40.0	38.2		ug/Kg		95	39 - 157
Carbon disulfide	40.0	36.3		ug/Kg		91	40 - 156
Carbon tetrachloride	40.0	39.1		ug/Kg		98	73 - 130
Chlorobenzene	40.0	32.4		ug/Kg		81	79 - 122
Chlorobromomethane	40.0	32.8		ug/Kg		82	64 - 128
Chlorodibromomethane	40.0	36.9		ug/Kg		92	60 - 134
Chloroethane	40.0	27.1		ug/Kg		68	37 - 159
Chloroform	40.0	40.1		ug/Kg		100	73 - 126
Chloromethane	40.0	33.2		ug/Kg		83	46 - 151
cis-1,2-Dichloroethene	40.0	34.0		ug/Kg		85	77 - 118
cis-1,3-Dichloropropene	40.0	32.2		ug/Kg		80	73 - 127
Cyclohexane	40.0	30.9		ug/Kg		77	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	32.7		ug/Kg		82	30 - 163
1,2-Dibromoethane	40.0	32.6		ug/Kg		81	59 - 137
1,2-Dichlorobenzene	40.0	31.4		ug/Kg		79	76 - 120
1,3-Dichlorobenzene	40.0	32.4		ug/Kg		81	77 - 121
1,4-Dichlorobenzene	40.0	31.9		ug/Kg		80	79 - 120
Dichlorobromomethane	40.0	39.2		ug/Kg		98	75 - 123
Dichlorodifluoromethane	40.0	51.0		ug/Kg		128	26 - 149
1,1-Dichloroethane	40.0	36.2		ug/Kg		91	73 - 124
1,2-Dichloroethane	40.0	42.7		ug/Kg		107	64 - 140
1,1-Dichloroethene	40.0	32.9		ug/Kg		82	55 - 136
1,2-Dichloroethene, Total	80.0	67.4		ug/Kg		84	77 - 119
1,2-Dichloropropane	40.0	33.9		ug/Kg		85	77 - 119
1,4-Dioxane	800	478	J	ug/Kg		60	18 - 166
Ethylbenzene	40.0	32.9		ug/Kg		82	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-447490/6
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	38.8		ug/Kg		97	42 - 152
Isopropylbenzene	40.0	36.6		ug/Kg		91	70 - 125
Methyl acetate	80.0	82.7		ug/Kg		103	20 - 170
Methylcyclohexane	40.0	32.2		ug/Kg		81	70 - 125
Methylene Chloride	40.0	33.2		ug/Kg		83	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	35.2		ug/Kg		88	51 - 147
Methyl tert-butyl ether	40.0	37.3		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	33.0		ug/Kg		83	77 - 120
o-Xylene	40.0	33.1		ug/Kg		83	78 - 118
Styrene	40.0	35.0		ug/Kg		87	80 - 120
1,1,2,2-Tetrachloroethane	40.0	33.8		ug/Kg		84	36 - 170
Tetrachloroethene	40.0	37.1		ug/Kg		93	71 - 121
Toluene	40.0	34.4		ug/Kg		86	76 - 120
trans-1,2-Dichloroethene	40.0	33.4		ug/Kg		84	75 - 122
trans-1,3-Dichloropropene	40.0	36.2		ug/Kg		91	68 - 133
1,2,3-Trichlorobenzene	40.0	32.3		ug/Kg		81	29 - 166
1,2,4-Trichlorobenzene	40.0	32.0		ug/Kg		80	22 - 170
1,1,1-Trichloroethane	40.0	39.4		ug/Kg		98	72 - 134
1,1,2-Trichloroethane	40.0	32.3		ug/Kg		81	66 - 128
Trichloroethene	40.0	33.2		ug/Kg		83	69 - 118
Trichlorofluoromethane	40.0	39.9		ug/Kg		100	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	17.7	*-	ug/Kg		44	59 - 135
Vinyl chloride	40.0	27.4		ug/Kg		69	64 - 134
Xylenes, Total	80.0	66.1		ug/Kg		83	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*106*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*
Toluene-d8 (Surr)	*93*		*67 - 134*

Lab Sample ID: LCSD 180-447490/7
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	52.5		ug/Kg		131	23 - 170	15	35
Benzene	40.0	35.5		ug/Kg		89	77 - 120	7	20
Bromoform	40.0	45.0		ug/Kg		112	37 - 147	10	23
Bromomethane	40.0	34.7		ug/Kg		87	47 - 149	9	25
2-Butanone (MEK)	40.0	44.5		ug/Kg		111	39 - 157	15	33
Carbon disulfide	40.0	37.2		ug/Kg		93	40 - 156	2	25
Carbon tetrachloride	40.0	41.4		ug/Kg		104	73 - 130	6	21
Chlorobenzene	40.0	35.1		ug/Kg		88	79 - 122	8	20
Chlorobromomethane	40.0	35.5		ug/Kg		89	64 - 128	8	20
Chlorodibromomethane	40.0	40.3		ug/Kg		101	60 - 134	9	40
Chloroethane	40.0	29.2		ug/Kg		73	37 - 159	7	25
Chloroform	40.0	42.2		ug/Kg		105	73 - 126	5	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-447490/7
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	33.0		ug/Kg		83	46 - 151	1	33
cis-1,2-Dichloroethene			40.0	35.2		ug/Kg		88	77 - 118	4	20
cis-1,3-Dichloropropene			40.0	35.4		ug/Kg		89	73 - 127	10	20
Cyclohexane			40.0	32.4		ug/Kg		81	63 - 143	5	25
1,2-Dibromo-3-Chloropropane			40.0	34.5		ug/Kg		86	30 - 163	5	34
1,2-Dibromoethane			40.0	38.9		ug/Kg		97	59 - 137	18	20
1,2-Dichlorobenzene			40.0	34.1		ug/Kg		85	76 - 120	8	20
1,3-Dichlorobenzene			40.0	33.2		ug/Kg		83	77 - 121	3	20
1,4-Dichlorobenzene			40.0	34.1		ug/Kg		85	79 - 120	7	20
Dichlorobromomethane			40.0	42.9		ug/Kg		107	75 - 123	9	20
Dichlorodifluoromethane			40.0	50.2		ug/Kg		126	26 - 149	2	24
1,1-Dichloroethane			40.0	38.9		ug/Kg		97	73 - 124	7	20
1,2-Dichloroethane			40.0	46.0		ug/Kg		115	64 - 140	7	20
1,1-Dichloroethene			40.0	37.5		ug/Kg		94	55 - 136	13	21
1,2-Dichloroethene, Total			80.0	70.9		ug/Kg		89	77 - 119	5	20
1,2-Dichloropropane			40.0	36.2		ug/Kg		90	77 - 119	6	20
1,4-Dioxane			800	739	J *1	ug/Kg		92	18 - 166	43	40
Ethylbenzene			40.0	35.0		ug/Kg		87	79 - 119	6	20
2-Hexanone			40.0	44.8		ug/Kg		112	42 - 152	14	30
Isopropylbenzene			40.0	37.3		ug/Kg		93	70 - 125	2	21
Methyl acetate			80.0	97.2		ug/Kg		121	20 - 170	16	33
Methylcyclohexane			40.0	34.2		ug/Kg		85	70 - 125	6	22
Methylene Chloride			40.0	34.9		ug/Kg		87	67 - 131	5	32
4-Methyl-2-pentanone (MIBK)			40.0	40.8		ug/Kg		102	51 - 147	15	27
Methyl tert-butyl ether			40.0	41.8		ug/Kg		105	58 - 132	12	24
m-Xylene & p-Xylene			40.0	33.7		ug/Kg		84	77 - 120	2	20
o-Xylene			40.0	34.9		ug/Kg		87	78 - 118	5	20
Styrene			40.0	37.1		ug/Kg		93	80 - 120	6	20
1,1,2,2-Tetrachloroethane			40.0	38.1		ug/Kg		95	36 - 170	12	23
Tetrachloroethene			40.0	37.8		ug/Kg		94	71 - 121	2	21
Toluene			40.0	35.2		ug/Kg		88	76 - 120	2	20
trans-1,2-Dichloroethene			40.0	35.7		ug/Kg		89	75 - 122	6	20
trans-1,3-Dichloropropene			40.0	38.8		ug/Kg		97	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	35.9		ug/Kg		90	29 - 166	11	40
1,2,4-Trichlorobenzene			40.0	36.1		ug/Kg		90	22 - 170	12	29
1,1,1-Trichloroethane			40.0	41.9		ug/Kg		105	72 - 134	6	20
1,1,2-Trichloroethane			40.0	35.9		ug/Kg		90	66 - 128	10	21
Trichloroethene			40.0	36.1		ug/Kg		90	69 - 118	9	20
Trichlorofluoromethane			40.0	38.5		ug/Kg		96	32 - 149	4	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	19.2	*-	ug/Kg		48	59 - 135	8	28
Vinyl chloride			40.0	29.6		ug/Kg		74	64 - 134	8	23
Xylenes, Total			80.0	68.6		ug/Kg		86	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*
Dibromofluoromethane (Surr)	*103*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-447490/7
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*90*		*67 - 134*

Lab Sample ID: 180-162918-8 MS
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND	F2	42.0	54.0		ug/Kg	☼	129	23 - 170
Benzene	ND		42.0	36.1		ug/Kg	☼	86	77 - 120
Bromoform	ND		42.0	43.2		ug/Kg	☼	103	37 - 147
Bromomethane	ND		42.0	37.4		ug/Kg	☼	89	47 - 149
2-Butanone (MEK)	ND		42.0	39.4		ug/Kg	☼	94	39 - 157
Carbon disulfide	ND		42.0	38.6		ug/Kg	☼	92	40 - 156
Carbon tetrachloride	ND		42.0	43.9		ug/Kg	☼	105	73 - 130
Chlorobenzene	ND		42.0	36.1		ug/Kg	☼	86	79 - 122
Chlorobromomethane	ND		42.0	36.0		ug/Kg	☼	86	64 - 128
Chlorodibromomethane	ND		42.0	38.8		ug/Kg	☼	92	60 - 134
Chloroethane	ND		42.0	31.8		ug/Kg	☼	76	37 - 159
Chloroform	ND		42.0	44.2		ug/Kg	☼	105	73 - 126
Chloromethane	ND		42.0	36.5		ug/Kg	☼	87	46 - 151
cis-1,2-Dichloroethene	ND		42.0	36.9		ug/Kg	☼	88	77 - 118
cis-1,3-Dichloropropene	ND		42.0	35.1		ug/Kg	☼	84	73 - 127
Cyclohexane	ND		42.0	33.1		ug/Kg	☼	79	63 - 143
1,2-Dibromo-3-Chloropropane	ND		42.0	32.1		ug/Kg	☼	76	30 - 163
1,2-Dibromoethane	ND		42.0	35.0		ug/Kg	☼	83	59 - 137
1,2-Dichlorobenzene	ND		42.0	33.9		ug/Kg	☼	81	76 - 120
1,3-Dichlorobenzene	ND		42.0	34.4		ug/Kg	☼	82	77 - 121
1,4-Dichlorobenzene	ND		42.0	34.0		ug/Kg	☼	81	79 - 120
Dichlorobromomethane	ND		42.0	43.5		ug/Kg	☼	104	75 - 123
Dichlorodifluoromethane	ND		42.0	55.3		ug/Kg	☼	132	26 - 149
1,1-Dichloroethane	ND		42.0	39.8		ug/Kg	☼	95	73 - 124
1,2-Dichloroethane	ND		42.0	46.8		ug/Kg	☼	112	64 - 140
1,1-Dichloroethene	ND		42.0	32.1		ug/Kg	☼	77	55 - 136
1,2-Dichloroethene, Total	ND		83.9	74.0		ug/Kg	☼	88	77 - 119
1,2-Dichloropropane	ND		42.0	37.3		ug/Kg	☼	89	77 - 119
1,4-Dioxane	ND	*1	839	500	J	ug/Kg	☼	60	18 - 166
Ethylbenzene	ND		42.0	36.2		ug/Kg	☼	86	79 - 119
2-Hexanone	ND	F2	42.0	39.5		ug/Kg	☼	94	42 - 152
Isopropylbenzene	ND		42.0	39.5		ug/Kg	☼	94	70 - 125
Methyl acetate	ND		83.9	87.1		ug/Kg	☼	104	20 - 170
Methylcyclohexane	ND		42.0	35.6		ug/Kg	☼	85	70 - 125
Methylene Chloride	ND		42.0	33.3		ug/Kg	☼	79	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		42.0	34.5		ug/Kg	☼	82	51 - 147
Methyl tert-butyl ether	ND		42.0	38.5		ug/Kg	☼	92	58 - 132
m-Xylene & p-Xylene	ND		42.0	35.0		ug/Kg	☼	83	77 - 120
o-Xylene	ND		42.0	34.9		ug/Kg	☼	83	78 - 118
Styrene	ND		42.0	37.8		ug/Kg	☼	90	80 - 120
1,1,2,2-Tetrachloroethane	ND		42.0	33.1		ug/Kg	☼	79	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-162918-8 MS
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		42.0	39.6		ug/Kg	☼	94	71 - 121
Toluene	ND		42.0	36.3		ug/Kg	☼	87	76 - 120
trans-1,2-Dichloroethene	ND		42.0	37.1		ug/Kg	☼	88	75 - 122
trans-1,3-Dichloropropene	ND		42.0	37.3		ug/Kg	☼	89	68 - 133
1,2,3-Trichlorobenzene	ND		42.0	33.6		ug/Kg	☼	80	29 - 166
1,2,4-Trichlorobenzene	ND		42.0	33.7		ug/Kg	☼	80	22 - 170
1,1,1-Trichloroethane	ND		42.0	44.2		ug/Kg	☼	105	72 - 134
1,1,2-Trichloroethane	ND		42.0	35.8		ug/Kg	☼	85	66 - 128
Trichloroethene	ND		42.0	36.4		ug/Kg	☼	87	69 - 118
Trichlorofluoromethane	ND		42.0	43.8		ug/Kg	☼	104	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	42.0	31.3		ug/Kg	☼	75	59 - 135
Vinyl chloride	ND		42.0	31.9		ug/Kg	☼	76	64 - 134
Xylenes, Total	ND		83.9	69.9		ug/Kg	☼	83	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*98*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: 180-162918-8 MSD
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND	F2	40.7	28.8	F2	ug/Kg	☼	71	23 - 170	61	35
Benzene	ND		40.7	37.5		ug/Kg	☼	92	77 - 120	4	20
Bromoform	ND		40.7	42.3		ug/Kg	☼	104	37 - 147	2	23
Bromomethane	ND		40.7	37.2		ug/Kg	☼	91	47 - 149	1	25
2-Butanone (MEK)	ND		40.7	29.3		ug/Kg	☼	72	39 - 157	30	33
Carbon disulfide	ND		40.7	39.5		ug/Kg	☼	97	40 - 156	2	25
Carbon tetrachloride	ND		40.7	44.5		ug/Kg	☼	109	73 - 130	1	21
Chlorobenzene	ND		40.7	36.2		ug/Kg	☼	89	79 - 122	0	20
Chlorobromomethane	ND		40.7	37.0		ug/Kg	☼	91	64 - 128	3	20
Chlorodibromomethane	ND		40.7	39.3		ug/Kg	☼	96	60 - 134	1	40
Chloroethane	ND		40.7	32.3		ug/Kg	☼	79	37 - 159	1	25
Chloroform	ND		40.7	44.7		ug/Kg	☼	110	73 - 126	1	20
Chloromethane	ND		40.7	36.4		ug/Kg	☼	89	46 - 151	0	33
cis-1,2-Dichloroethene	ND		40.7	37.1		ug/Kg	☼	91	77 - 118	1	20
cis-1,3-Dichloropropene	ND		40.7	35.2		ug/Kg	☼	86	73 - 127	0	20
Cyclohexane	ND		40.7	34.6		ug/Kg	☼	85	63 - 143	4	25
1,2-Dibromo-3-Chloropropane	ND		40.7	32.4		ug/Kg	☼	80	30 - 163	1	34
1,2-Dibromoethane	ND		40.7	34.4		ug/Kg	☼	84	59 - 137	2	20
1,2-Dichlorobenzene	ND		40.7	35.1		ug/Kg	☼	86	76 - 120	4	20
1,3-Dichlorobenzene	ND		40.7	35.8		ug/Kg	☼	88	77 - 121	4	20
1,4-Dichlorobenzene	ND		40.7	35.4		ug/Kg	☼	87	79 - 120	4	20
Dichlorobromomethane	ND		40.7	44.6		ug/Kg	☼	109	75 - 123	3	20
Dichlorodifluoromethane	ND		40.7	56.4		ug/Kg	☼	139	26 - 149	2	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-162918-8 MSD
Matrix: Solid
Analysis Batch: 447490

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		40.7	40.6		ug/Kg	☼	100	73 - 124	2	20
1,2-Dichloroethane	ND		40.7	45.8		ug/Kg	☼	112	64 - 140	2	20
1,1-Dichloroethene	ND		40.7	32.1		ug/Kg	☼	79	55 - 136	0	21
1,2-Dichloroethene, Total	ND		81.5	76.1		ug/Kg	☼	93	77 - 119	3	20
1,2-Dichloropropane	ND		40.7	37.6		ug/Kg	☼	92	77 - 119	1	20
1,4-Dioxane	ND	*1	815	517	J	ug/Kg	☼	63	18 - 166	3	40
Ethylbenzene	ND		40.7	35.6		ug/Kg	☼	87	79 - 119	2	20
2-Hexanone	ND	F2	40.7	28.1	F2	ug/Kg	☼	69	42 - 152	34	30
Isopropylbenzene	ND		40.7	39.3		ug/Kg	☼	96	70 - 125	1	21
Methyl acetate	ND		81.5	82.7		ug/Kg	☼	102	20 - 170	5	33
Methylcyclohexane	ND		40.7	36.2		ug/Kg	☼	89	70 - 125	2	22
Methylene Chloride	ND		40.7	36.2		ug/Kg	☼	89	67 - 131	8	32
4-Methyl-2-pentanone (MIBK)	ND		40.7	32.8		ug/Kg	☼	81	51 - 147	5	27
Methyl tert-butyl ether	ND		40.7	40.1		ug/Kg	☼	98	58 - 132	4	24
m-Xylene & p-Xylene	ND		40.7	35.8		ug/Kg	☼	88	77 - 120	2	20
o-Xylene	ND		40.7	35.2		ug/Kg	☼	86	78 - 118	1	20
Styrene	ND		40.7	39.0		ug/Kg	☼	96	80 - 120	3	20
1,1,2,2-Tetrachloroethane	ND		40.7	34.3		ug/Kg	☼	84	36 - 170	4	23
Tetrachloroethene	ND		40.7	39.5		ug/Kg	☼	97	71 - 121	0	21
Toluene	ND		40.7	36.8		ug/Kg	☼	90	76 - 120	1	20
trans-1,2-Dichloroethene	ND		40.7	39.0		ug/Kg	☼	96	75 - 122	5	20
trans-1,3-Dichloropropene	ND		40.7	38.4		ug/Kg	☼	94	68 - 133	3	20
1,2,3-Trichlorobenzene	ND		40.7	35.1		ug/Kg	☼	86	29 - 166	4	40
1,2,4-Trichlorobenzene	ND		40.7	35.1		ug/Kg	☼	86	22 - 170	4	29
1,1,1-Trichloroethane	ND		40.7	45.1		ug/Kg	☼	111	72 - 134	2	20
1,1,2-Trichloroethane	ND		40.7	34.0		ug/Kg	☼	83	66 - 128	5	21
Trichloroethene	ND		40.7	37.5		ug/Kg	☼	92	69 - 118	3	20
Trichlorofluoromethane	ND		40.7	47.5		ug/Kg	☼	117	32 - 149	8	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*-	40.7	30.1		ug/Kg	☼	74	59 - 135	4	28
Vinyl chloride	ND		40.7	33.9		ug/Kg	☼	83	64 - 134	6	23
Xylenes, Total	ND		81.5	71.0		ug/Kg	☼	87	78 - 118	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*118*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-448029/1-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Acenaphthylene	ND		67	15	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Acetophenone	ND		670	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-162918-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448029/1-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Atrazine	ND		670	150	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzaldehyde	ND		670	41	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[a]anthracene	ND		67	30	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[a]pyrene	ND		67	29	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
1,1'-Biphenyl	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Caprolactam	ND		1700	220	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Carbazole	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Chloroaniline	ND		330	88	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Chloronaphthalene	ND		67	15	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Chlorophenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Chrysene	ND		67	37	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Dibenzofuran	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Diethyl phthalate	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Dimethyl phthalate	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
1,4-Dioxane	ND		670	100	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Fluoranthene	ND		67	18	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Fluorene	ND		67	13	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachlorobenzene	ND		67	24	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachlorobutadiene	ND		67	20	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachloroethane	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Isophorone	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Methylnaphthalene	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Methylphenol	ND		330	96	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Naphthalene	ND		67	13	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Nitroaniline	ND		1700	150	ug/Kg		10/02/23 06:19	10/03/23 08:19	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448029/1-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Nitroaniline	ND		1700	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Nitrobenzene	ND		670	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Nitrophenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Nitrophenol	ND		1700	230	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Pentachlorophenol	ND		1700	540	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Phenanthrene	ND		67	18	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Phenol	ND		330	100	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Pyrene	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*10/02/23 06:19*	*10/03/23 08:19*	*1*

Lab Sample ID: LCS 180-448029/2-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4760		ug/Kg		71	50 - 100
Acenaphthylene	6670	5320		ug/Kg		80	52 - 100
Acetophenone	6670	5570		ug/Kg		84	48 - 100
Anthracene	6670	4890		ug/Kg		73	53 - 100
Atrazine	6670	4830		ug/Kg		72	49 - 103
Benzaldehyde	6670	6890		ug/Kg		103	23 - 105
Benzo[a]anthracene	6670	5030		ug/Kg		75	51 - 100
Benzo[a]pyrene	6670	5270		ug/Kg		79	51 - 100
Benzo[b]fluoranthene	6670	4850		ug/Kg		73	48 - 100
Benzo[g,h,i]perylene	6670	4880		ug/Kg		73	48 - 105
Benzo[k]fluoranthene	6670	4620		ug/Kg		69	19 - 100
1,1'-Biphenyl	6670	4580		ug/Kg		69	50 - 100
Bis(2-chloroethoxy)methane	6670	4770		ug/Kg		71	49 - 100
Bis(2-chloroethyl)ether	6670	4480		ug/Kg		67	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5790		ug/Kg		87	53 - 107
4-Bromophenyl phenyl ether	6670	4460		ug/Kg		67	52 - 101
Butyl benzyl phthalate	6670	5700		ug/Kg		86	52 - 107
Caprolactam	6670	6450		ug/Kg		97	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448029/2-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	5110		ug/Kg		77	53 - 100
4-Chloroaniline	6670	5220		ug/Kg		78	47 - 100
4-Chloro-3-methylphenol	6670	5690		ug/Kg		85	49 - 106
2-Chloronaphthalene	6670	4620		ug/Kg		69	51 - 100
2-Chlorophenol	6670	5290		ug/Kg		79	51 - 100
4-Chlorophenyl phenyl ether	6670	4960		ug/Kg		74	52 - 100
Chrysene	6670	5050		ug/Kg		76	50 - 100
Dibenz(a,h)anthracene	6670	5160		ug/Kg		77	50 - 107
Dibenzofuran	6670	4820		ug/Kg		72	52 - 100
3,3'-Dichlorobenzidine	6670	5560		ug/Kg		83	43 - 100
2,4-Dichlorophenol	6670	5200		ug/Kg		78	53 - 101
Diethyl phthalate	6670	5160		ug/Kg		77	48 - 104
2,4-Dimethylphenol	6670	4080		ug/Kg		61	51 - 101
Dimethyl phthalate	6670	4800		ug/Kg		72	53 - 100
Di-n-butyl phthalate	6670	5440		ug/Kg		82	57 - 102
4,6-Dinitro-2-methylphenol	13300	10300		ug/Kg		77	51 - 100
2,4-Dinitrophenol	13300	10800		ug/Kg		81	33 - 101
2,4-Dinitrotoluene	6670	5620		ug/Kg		84	54 - 104
2,6-Dinitrotoluene	6670	5320		ug/Kg		80	51 - 106
Di-n-octyl phthalate	6670	5500		ug/Kg		82	41 - 106
1,4-Dioxane	6670	4620		ug/Kg		69	25 - 125
Fluoranthene	6670	4930		ug/Kg		74	55 - 100
Fluorene	6670	5020		ug/Kg		75	52 - 100
Hexachlorobenzene	6670	4440		ug/Kg		67	49 - 100
Hexachlorobutadiene	6670	4850		ug/Kg		73	38 - 107
Hexachlorocyclopentadiene	6670	3200		ug/Kg		48	33 - 117
Hexachloroethane	6670	5130		ug/Kg		77	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5120		ug/Kg		77	51 - 103
Isophorone	6670	5510		ug/Kg		83	48 - 105
2-Methylnaphthalene	6670	5290		ug/Kg		79	53 - 100
2-Methylphenol	6670	5410		ug/Kg		81	50 - 101
Methylphenol, 3 & 4	6670	5600		ug/Kg		84	50 - 103
Naphthalene	6670	5140		ug/Kg		77	51 - 100
2-Nitroaniline	6670	5890		ug/Kg		88	42 - 123
3-Nitroaniline	6670	5710		ug/Kg		86	50 - 103
4-Nitroaniline	6670	5950		ug/Kg		89	52 - 103
Nitrobenzene	6670	5280		ug/Kg		79	44 - 108
2-Nitrophenol	6670	5500		ug/Kg		82	55 - 107
4-Nitrophenol	13300	10400		ug/Kg		78	30 - 134
N-Nitrosodi-n-propylamine	6670	5760		ug/Kg		86	45 - 107
N-Nitrosodiphenylamine	6670	4640		ug/Kg		70	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5560		ug/Kg		83	30 - 113
Pentachlorophenol	13300	9190		ug/Kg		69	42 - 110
Phenanthrene	6670	4770		ug/Kg		72	53 - 100
Phenol	6670	5120		ug/Kg		77	49 - 100
Pyrene	6670	4870		ug/Kg		73	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4500		ug/Kg		67	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4910		ug/Kg		74	47 - 104
2,4,5-Trichlorophenol	6670	5010		ug/Kg		75	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448029/2-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448029

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	5010		ug/Kg		75	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*79*		*46 - 105*
Terphenyl-d14 (Surr)	*70*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Lab Sample ID: 180-162918-8 MS
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		7320	6440		ug/Kg	☼	88	50 - 100
Acenaphthylene	400		7320	7490		ug/Kg	☼	97	52 - 100
Acetophenone	ND		7320	6970		ug/Kg	☼	95	48 - 100
Anthracene	200		7320	6760		ug/Kg	☼	90	53 - 100
Atrazine	ND	F1	7320	3360	F1	ug/Kg	☼	46	49 - 103
Benzaldehyde	ND	F1	7320	838	F1	ug/Kg	☼	11	23 - 105
Benzo[a]anthracene	660		7320	7690		ug/Kg	☼	96	51 - 100
Benzo[a]pyrene	870		7320	8140		ug/Kg	☼	99	51 - 100
Benzo[b]fluoranthene	1000		7320	7240		ug/Kg	☼	85	48 - 100
Benzo[g,h,i]perylene	1200	F1	7320	9390	F1	ug/Kg	☼	112	48 - 105
Benzo[k]fluoranthene	490		7320	6730		ug/Kg	☼	85	19 - 100
1,1'-Biphenyl	ND		7320	6210		ug/Kg	☼	85	50 - 100
Bis(2-chloroethoxy)methane	ND		7320	6180		ug/Kg	☼	84	49 - 100
Bis(2-chloroethyl)ether	ND		7320	6140		ug/Kg	☼	84	48 - 100
Bis(2-ethylhexyl) phthalate	ND	F1	7320	8000	F1	ug/Kg	☼	109	53 - 107
4-Bromophenyl phenyl ether	ND		7320	6130		ug/Kg	☼	84	52 - 101
Butyl benzyl phthalate	ND		7320	7730		ug/Kg	☼	106	52 - 107
Caprolactam	ND	F1	7320	8540	F1	ug/Kg	☼	117	48 - 111
Carbazole	120		7320	7250		ug/Kg	☼	97	53 - 100
4-Chloroaniline	ND		7320	6170		ug/Kg	☼	84	47 - 100
4-Chloro-3-methylphenol	ND		7320	7710		ug/Kg	☼	105	49 - 106
2-Chloronaphthalene	ND		7320	6100		ug/Kg	☼	83	51 - 100
2-Chlorophenol	ND		7320	6940		ug/Kg	☼	95	51 - 100
4-Chlorophenyl phenyl ether	ND		7320	6610		ug/Kg	☼	90	52 - 100
Chrysene	710		7320	7690		ug/Kg	☼	95	50 - 100
Dibenz(a,h)anthracene	190	F1	7320	8130	F1	ug/Kg	☼	109	50 - 107
Dibenzofuran	ND		7320	6510		ug/Kg	☼	89	52 - 100
3,3'-Dichlorobenzidine	ND		7320	6260		ug/Kg	☼	86	43 - 100
2,4-Dichlorophenol	ND		7320	6840		ug/Kg	☼	93	53 - 101
Diethyl phthalate	ND		7320	6880		ug/Kg	☼	94	48 - 104
2,4-Dimethylphenol	ND		7320	5220		ug/Kg	☼	71	51 - 101
Dimethyl phthalate	ND		7320	6450		ug/Kg	☼	88	53 - 100
Di-n-butyl phthalate	ND		7320	7500		ug/Kg	☼	102	57 - 102

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162918-8 MS
Client Sample ID: SSHS-ISMP-NAF-EL-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448149
Prep Batch: 448029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		14600	13300		ug/Kg	☼	91	51 - 100
2,4-Dinitrophenol	ND		14600	12900		ug/Kg	☼	88	33 - 101
2,4-Dinitrotoluene	ND		7320	7630		ug/Kg	☼	104	54 - 104
2,6-Dinitrotoluene	ND		7320	7110		ug/Kg	☼	97	51 - 106
Di-n-octyl phthalate	ND		7320	6850		ug/Kg	☼	94	41 - 106
1,4-Dioxane	ND		7320	5990		ug/Kg	☼	82	25 - 125
Fluoranthene	1200		7320	8260		ug/Kg	☼	96	55 - 100
Fluorene	26	J	7320	6700		ug/Kg	☼	91	52 - 100
Hexachlorobenzene	ND		7320	6020		ug/Kg	☼	82	49 - 100
Hexachlorobutadiene	ND		7320	6110		ug/Kg	☼	83	38 - 107
Hexachlorocyclopentadiene	ND	F1	7320	2180	F1	ug/Kg	☼	30	33 - 117
Hexachloroethane	ND		7320	6650		ug/Kg	☼	91	47 - 100
Indeno[1,2,3-cd]pyrene	850	F1	7320	8980	F1	ug/Kg	☼	111	51 - 103
Isophorone	ND		7320	6900		ug/Kg	☼	94	48 - 105
2-Methylnaphthalene	210		7320	7030		ug/Kg	☼	93	53 - 100
2-Methylphenol	ND		7320	7360		ug/Kg	☼	100	50 - 101
Methylphenol, 3 & 4	ND		7320	7370		ug/Kg	☼	101	50 - 103
Naphthalene	840		7320	7640		ug/Kg	☼	93	51 - 100
2-Nitroaniline	ND		7320	7560		ug/Kg	☼	103	42 - 123
3-Nitroaniline	ND		7320	7500		ug/Kg	☼	103	50 - 103
4-Nitroaniline	ND	F1	7320	7600	F1	ug/Kg	☼	104	52 - 103
Nitrobenzene	ND		7320	6720		ug/Kg	☼	92	44 - 108
2-Nitrophenol	ND		7320	7160		ug/Kg	☼	98	55 - 107
4-Nitrophenol	ND		14600	13900		ug/Kg	☼	95	30 - 134
N-Nitrosodi-n-propylamine	ND		7320	7660		ug/Kg	☼	105	45 - 107
N-Nitrosodiphenylamine	ND		7320	6500		ug/Kg	☼	89	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7320	7340		ug/Kg	☼	100	30 - 113
Pentachlorophenol	ND		14600	11800		ug/Kg	☼	80	42 - 110
Phenanthrene	550		7320	7160		ug/Kg	☼	90	53 - 100
Phenol	ND		7320	6690		ug/Kg	☼	91	49 - 100
Pyrene	1100		7320	7900		ug/Kg	☼	93	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7320	5820		ug/Kg	☼	79	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7320	6260		ug/Kg	☼	86	47 - 104
2,4,5-Trichlorophenol	ND		7320	6720		ug/Kg	☼	92	50 - 104
2,4,6-Trichlorophenol	ND		7320	6690		ug/Kg	☼	91	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*44 - 105*
2-Fluorophenol (Surr)	*95*		*48 - 105*
Nitrobenzene-d5 (Surr)	*97*		*46 - 105*
Phenol-d5 (Surr)	*102*		*46 - 105*
Terphenyl-d14 (Surr)	*91*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162918-8 MSD
Client Sample ID: SSHS-ISMP-NAF-EL-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448149
Prep Batch: 448029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7420	6020		ug/Kg	☼	81	50 - 100	7	20
Acenaphthylene	400		7420	6960		ug/Kg	☼	88	52 - 100	7	20
Acetophenone	ND		7420	6190		ug/Kg	☼	84	48 - 100	12	17
Anthracene	200		7420	6480		ug/Kg	☼	85	53 - 100	4	20
Atrazine	ND	F1	7420	3010	F1	ug/Kg	☼	41	49 - 103	11	19
Benzaldehyde	ND	F1	7420	797	F1	ug/Kg	☼	11	23 - 105	5	31
Benzo[a]anthracene	660		7420	7300		ug/Kg	☼	89	51 - 100	5	21
Benzo[a]pyrene	870		7420	7580		ug/Kg	☼	91	51 - 100	7	20
Benzo[b]fluoranthene	1000		7420	7170		ug/Kg	☼	83	48 - 100	1	20
Benzo[g,h,i]perylene	1200	F1	7420	8940		ug/Kg	☼	104	48 - 105	5	19
Benzo[k]fluoranthene	490		7420	5860		ug/Kg	☼	72	19 - 100	14	20
1,1'-Biphenyl	ND		7420	5820		ug/Kg	☼	78	50 - 100	7	19
Bis(2-chloroethoxy)methane	ND		7420	5780		ug/Kg	☼	78	49 - 100	7	20
Bis(2-chloroethyl)ether	ND		7420	5320		ug/Kg	☼	72	48 - 100	14	18
Bis(2-ethylhexyl) phthalate	ND	F1	7420	7630		ug/Kg	☼	103	53 - 107	5	20
4-Bromophenyl phenyl ether	ND		7420	5740		ug/Kg	☼	77	52 - 101	7	20
Butyl benzyl phthalate	ND		7420	7360		ug/Kg	☼	99	52 - 107	5	19
Caprolactam	ND	F1	7420	8060		ug/Kg	☼	109	48 - 111	6	23
Carbazole	120		7420	6900		ug/Kg	☼	91	53 - 100	5	20
4-Chloroaniline	ND		7420	5770		ug/Kg	☼	78	47 - 100	7	20
4-Chloro-3-methylphenol	ND		7420	7060		ug/Kg	☼	95	49 - 106	9	20
2-Chloronaphthalene	ND		7420	5740		ug/Kg	☼	77	51 - 100	6	20
2-Chlorophenol	ND		7420	6370		ug/Kg	☼	86	51 - 100	9	17
4-Chlorophenyl phenyl ether	ND		7420	6110		ug/Kg	☼	82	52 - 100	8	19
Chrysene	710		7420	7300		ug/Kg	☼	89	50 - 100	5	20
Dibenz(a,h)anthracene	190	F1	7420	7780		ug/Kg	☼	102	50 - 107	4	21
Dibenzofuran	ND		7420	5980		ug/Kg	☼	81	52 - 100	8	19
3,3'-Dichlorobenzidine	ND		7420	6070		ug/Kg	☼	82	43 - 100	3	19
2,4-Dichlorophenol	ND		7420	6290		ug/Kg	☼	85	53 - 101	8	22
Diethyl phthalate	ND		7420	6410		ug/Kg	☼	86	48 - 104	7	20
2,4-Dimethylphenol	ND		7420	4840		ug/Kg	☼	65	51 - 101	8	32
Dimethyl phthalate	ND		7420	6080		ug/Kg	☼	82	53 - 100	6	21
Di-n-butyl phthalate	ND		7420	7120		ug/Kg	☼	96	57 - 102	5	20
4,6-Dinitro-2-methylphenol	ND		14800	12200		ug/Kg	☼	82	51 - 100	9	22
2,4-Dinitrophenol	ND		14800	12000		ug/Kg	☼	81	33 - 101	8	20
2,4-Dinitrotoluene	ND		7420	7030		ug/Kg	☼	95	54 - 104	8	20
2,6-Dinitrotoluene	ND		7420	6660		ug/Kg	☼	90	51 - 106	6	20
Di-n-octyl phthalate	ND		7420	6430		ug/Kg	☼	87	41 - 106	6	18
1,4-Dioxane	ND		7420	5190		ug/Kg	☼	70	25 - 125	14	17
Fluoranthene	1200		7420	7740		ug/Kg	☼	88	55 - 100	6	20
Fluorene	26	J	7420	6400		ug/Kg	☼	86	52 - 100	5	19
Hexachlorobenzene	ND		7420	5640		ug/Kg	☼	76	49 - 100	7	20
Hexachlorobutadiene	ND		7420	5560		ug/Kg	☼	75	38 - 107	9	22
Hexachlorocyclopentadiene	ND	F1	7420	1910	F1	ug/Kg	☼	26	33 - 117	13	19
Hexachloroethane	ND		7420	5870		ug/Kg	☼	79	47 - 100	12	17
Indeno[1,2,3-cd]pyrene	850	F1	7420	8470		ug/Kg	☼	103	51 - 103	6	19
Isophorone	ND		7420	6390		ug/Kg	☼	86	48 - 105	8	20
2-Methylnaphthalene	210		7420	6700		ug/Kg	☼	87	53 - 100	5	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-162918-8 MSD
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7420	6650		ug/Kg	☼	90	50 - 101	10	17
Methylphenol, 3 & 4	ND		7420	6980		ug/Kg	☼	94	50 - 103	6	19
Naphthalene	840		7420	7120		ug/Kg	☼	85	51 - 100	7	20
2-Nitroaniline	ND		7420	7250		ug/Kg	☼	98	42 - 123	4	19
3-Nitroaniline	ND		7420	6950		ug/Kg	☼	94	50 - 103	8	20
4-Nitroaniline	ND	F1	7420	7130		ug/Kg	☼	96	52 - 103	6	18
Nitrobenzene	ND		7420	6190		ug/Kg	☼	83	44 - 108	8	21
2-Nitrophenol	ND		7420	6650		ug/Kg	☼	90	55 - 107	7	19
4-Nitrophenol	ND		14800	13000		ug/Kg	☼	88	30 - 134	7	18
N-Nitrosodi-n-propylamine	ND		7420	7000		ug/Kg	☼	94	45 - 107	9	18
N-Nitrosodiphenylamine	ND		7420	6040		ug/Kg	☼	81	52 - 100	7	20
2,2'-oxybis[1-chloropropane]	ND		7420	6720		ug/Kg	☼	91	30 - 113	9	17
Pentachlorophenol	ND		14800	11000		ug/Kg	☼	74	42 - 110	7	20
Phenanthrene	550		7420	6790		ug/Kg	☼	84	53 - 100	5	20
Phenol	ND		7420	6070		ug/Kg	☼	82	49 - 100	10	16
Pyrene	1100		7420	7430		ug/Kg	☼	85	52 - 100	6	20
1,2,4,5-Tetrachlorobenzene	ND		7420	5350		ug/Kg	☼	72	41 - 104	8	21
2,3,4,6-Tetrachlorophenol	ND		7420	5910		ug/Kg	☼	80	47 - 104	6	18
2,4,5-Trichlorophenol	ND		7420	6220		ug/Kg	☼	84	50 - 104	8	21
2,4,6-Trichlorophenol	ND		7420	6190		ug/Kg	☼	83	50 - 105	8	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*44 - 105*
2-Fluorophenol (Surr)	*84*		*48 - 105*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*
Phenol-d5 (Surr)	*91*		*46 - 105*
Terphenyl-d14 (Surr)	*84*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-448438/1-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1221	ND		17	5.9	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1232	ND		17	4.1	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1242	ND		17	2.4	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1248	ND		17	4.0	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1254	ND		17	5.0	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1260	ND		17	4.7	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1262	ND		17	5.9	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1268	ND		17	2.2	ug/Kg		10/05/23 13:37	10/06/23 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*130*		*63 - 138*	*10/05/23 13:37*	*10/06/23 18:20*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-448438/1-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448438

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	111		63 - 138	10/05/23 13:37	10/06/23 18:20	1
Tetrachloro-m-xylene (Surr)	103		55 - 135	10/05/23 13:37	10/06/23 18:20	1
Tetrachloro-m-xylene (Surr)	108		55 - 135	10/05/23 13:37	10/06/23 18:20	1

Lab Sample ID: LCS 180-448438/2-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448438

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1220		ug/Kg		91	43 - 136		
PCB-1260			1330	1170		ug/Kg		88	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	119		63 - 138
DCB Decachlorobiphenyl (Surr)	107		63 - 138
Tetrachloro-m-xylene (Surr)	100		55 - 135
Tetrachloro-m-xylene (Surr)	105		55 - 135

Lab Sample ID: 180-162918-8 MS
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 448438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1470	1480		ug/Kg	☼	100	43 - 136		
PCB-1260	110		1470	1360		ug/Kg	☼	85	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	108		63 - 138
DCB Decachlorobiphenyl (Surr)	103		63 - 138
Tetrachloro-m-xylene (Surr)	104		55 - 135
Tetrachloro-m-xylene (Surr)	107		55 - 135

Lab Sample ID: 180-162918-8 MSD
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 448438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1450	1430		ug/Kg	☼	98	43 - 136	3	40
PCB-1260	110		1450	1340		ug/Kg	☼	85	55 - 128	1	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	107		63 - 138
DCB Decachlorobiphenyl (Surr)	102		63 - 138
Tetrachloro-m-xylene (Surr)	101		55 - 135
Tetrachloro-m-xylene (Surr)	104		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-447792/1-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Antimony	ND		1.0	0.30	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Barium	ND		20	3.6	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Beryllium	ND		0.40	0.11	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Cadmium	ND		0.50	0.073	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Calcium	ND		500	65	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Chromium	ND		0.50	0.46	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Cobalt	ND		5.0	0.70	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Copper	ND		2.5	1.5	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Iron	ND		10	9.7	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Lead	ND		1.0	0.87	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Magnesium	ND		500	55	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Manganese	ND		1.5	0.28	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Nickel	ND		4.0	0.50	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Potassium	145	J	500	85	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Selenium	ND		1.0	0.46	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Silver	ND		0.50	0.10	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Sodium	ND		500	51	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Thallium	ND		2.0	0.28	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Vanadium	ND		5.0	0.79	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Zinc	ND		2.0	1.5	mg/Kg		09/29/23 06:55	10/10/23 16:56	1

Lab Sample ID: MB 180-447792/1-A
Matrix: Solid
Analysis Batch: 449387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		09/29/23 06:55	10/16/23 13:06	1

Lab Sample ID: LCS 180-447792/2-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	520		mg/Kg		104	80 - 120
Antimony	25.0	27.3		mg/Kg		109	80 - 120
Barium	100	103		mg/Kg		103	80 - 120
Beryllium	50.0	54.0		mg/Kg		108	80 - 120
Cadmium	50.0	54.1		mg/Kg		108	80 - 120
Calcium	2500	2620		mg/Kg		105	80 - 120
Chromium	50.0	49.3		mg/Kg		99	80 - 120
Cobalt	50.0	49.2		mg/Kg		98	80 - 120
Copper	50.0	51.1		mg/Kg		102	80 - 120
Iron	500	541		mg/Kg		108	80 - 120
Lead	50.0	50.3		mg/Kg		101	80 - 120
Magnesium	2500	2590		mg/Kg		104	80 - 120
Manganese	50.0	51.1		mg/Kg		102	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Potassium	2500	2600		mg/Kg		104	80 - 120

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-447792/2-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	106		mg/Kg		106	80 - 120
Silver	25.0	24.5		mg/Kg		98	80 - 120
Sodium	2500	2610		mg/Kg		104	80 - 120
Thallium	100	99.6		mg/Kg		100	80 - 120
Vanadium	50.0	51.0		mg/Kg		102	80 - 120
Zinc	25.0	26.3		mg/Kg		105	80 - 120

Lab Sample ID: LCS 180-447792/2-A
Matrix: Solid
Analysis Batch: 449387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	102		mg/Kg		102	80 - 120

Lab Sample ID: 180-162918-8 MS
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7100		415	7450	4	mg/Kg	☼	86	75 - 125
Antimony	0.35	J F1	20.8	7.95	F1	mg/Kg	☼	37	75 - 125
Barium	400		83.0	148	4	mg/Kg	☼	-308	75 - 125
Beryllium	0.31	J	41.5	34.2		mg/Kg	☼	82	75 - 125
Cadmium	0.32	J	41.5	34.1		mg/Kg	☼	81	75 - 125
Calcium	30000	F2	2080	26000	4	mg/Kg	☼	-207	75 - 125
Chromium	10		41.5	43.6		mg/Kg	☼	80	75 - 125
Cobalt	6.2		41.5	41.1		mg/Kg	☼	84	75 - 125
Copper	36		41.5	71.3		mg/Kg	☼	86	75 - 125
Iron	17000		415	17300	4	mg/Kg	☼	-12	75 - 125
Lead	59	F1	41.5	73.7	F1	mg/Kg	☼	36	75 - 125
Magnesium	4000	F1 F2	2080	6350		mg/Kg	☼	113	75 - 125
Manganese	680		41.5	400	4	mg/Kg	☼	-684	75 - 125
Nickel	42		41.5	79.7		mg/Kg	☼	90	75 - 125
Potassium	480	B	2080	2080		mg/Kg	☼	77	75 - 125
Selenium	ND		83.0	70.5		mg/Kg	☼	85	75 - 125
Silver	ND		20.8	17.1		mg/Kg	☼	82	75 - 125
Sodium	72	J	2080	1820		mg/Kg	☼	84	75 - 125
Thallium	0.44	J	83.0	70.5		mg/Kg	☼	84	75 - 125
Vanadium	13		41.5	45.5		mg/Kg	☼	79	75 - 125
Zinc	130		20.8	139	4	mg/Kg	☼	62	75 - 125

Lab Sample ID: 180-162918-8 MS
Matrix: Solid
Analysis Batch: 449114

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	6.2		83.0	81.8		mg/Kg	☼	91	75 - 125

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: 180-162918-8 MSD
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7100		441	8120	4	mg/Kg	☼	233	75 - 125	9	20
Antimony	0.35	J F1	22.1	9.24	F1	mg/Kg	☼	40	75 - 125	15	20
Barium	400		88.3	166	4	mg/Kg	☼	-269	75 - 125	12	20
Beryllium	0.31	J	44.1	38.5		mg/Kg	☼	86	75 - 125	12	20
Cadmium	0.32	J	44.1	38.3		mg/Kg	☼	86	75 - 125	12	20
Calcium	30000	F2	2210	40400	4 F2	mg/Kg	☼	460	75 - 125	44	20
Chromium	10		44.1	44.2		mg/Kg	☼	76	75 - 125	1	20
Cobalt	6.2		44.1	44.5		mg/Kg	☼	87	75 - 125	8	20
Copper	36		44.1	74.0		mg/Kg	☼	87	75 - 125	4	20
Iron	17000		441	18200	4	mg/Kg	☼	175	75 - 125	5	20
Lead	59	F1	44.1	79.6	F1	mg/Kg	☼	47	75 - 125	8	20
Magnesium	4000	F1 F2	2210	8670	F1 F2	mg/Kg	☼	211	75 - 125	31	20
Manganese	680		44.1	424	4	mg/Kg	☼	-589	75 - 125	6	20
Nickel	42		44.1	80.3		mg/Kg	☼	86	75 - 125	1	20
Potassium	480	B	2210	2260		mg/Kg	☼	81	75 - 125	8	20
Selenium	ND		88.3	79.4		mg/Kg	☼	90	75 - 125	12	20
Silver	ND		22.1	18.0		mg/Kg	☼	82	75 - 125	5	20
Sodium	72	J	2210	1970		mg/Kg	☼	86	75 - 125	8	20
Thallium	0.44	J	88.3	77.7		mg/Kg	☼	87	75 - 125	10	20
Vanadium	13		44.1	49.1		mg/Kg	☼	82	75 - 125	8	20
Zinc	130		22.1	139	4	mg/Kg	☼	59	75 - 125	0	20

Lab Sample ID: 180-162918-8 MSD
Matrix: Solid
Analysis Batch: 449114

Client Sample ID: SSHS-ISMP-NAF-EL-B1
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	6.2		88.3	88.3		mg/Kg	☼	93	75 - 125	8	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-447703/1-A
Matrix: Solid
Analysis Batch: 447842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		09/27/23 10:15	09/28/23 12:59	1

Lab Sample ID: LCS 180-447703/2-A
Matrix: Solid
Analysis Batch: 447842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447703

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.393		mg/Kg		94	80 - 120		

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-162918-8 MS
Client Sample ID: SSHS-ISMP-NAF-EL-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447842
Prep Batch: 447703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.11		0.179	0.287		mg/Kg	☼	99	80 - 120		

Lab Sample ID: 180-162918-8 MSD
Client Sample ID: SSHS-ISMP-NAF-EL-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447842
Prep Batch: 447703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.11		0.174	0.277		mg/Kg	☼	96	80 - 120	3	20

GC/MS VOA

Analysis Batch: 447490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	EPA 8260C	447511
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	EPA 8260C	447511
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	EPA 8260C	447511
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	EPA 8260C	447511
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	EPA 8260C	447511
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	EPA 8260C	447511
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	EPA 8260C	447511
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8260C	447511
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	EPA 8260C	447511
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	EPA 8260C	447511
MB 180-447490/10	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-447490/6	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-447490/7	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8260C	447511
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8260C	447511

Prep Batch: 447511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	5035	
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	5035	
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	5035	
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	5035	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	5035	
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	5035	
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	5035	
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	5035	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	5035	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	5035	
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	5035	
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 448029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	3541	
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	3541	
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	3541	
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	3541	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	3541	
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	3541	
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	3541	
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3541	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	3541	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	3541	
MB 180-448029/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-448029/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3541	
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3541	

GC/MS Semi VOA

Analysis Batch: 448149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	EPA 8270D	448029
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	EPA 8270D	448029
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	EPA 8270D	448029
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	EPA 8270D	448029
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	EPA 8270D	448029
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	EPA 8270D	448029
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	EPA 8270D	448029
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8270D	448029
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	EPA 8270D	448029
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	EPA 8270D	448029
MB 180-448029/1-A	Method Blank	Total/NA	Solid	EPA 8270D	448029
LCS 180-448029/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	448029
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8270D	448029
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8270D	448029

GC Semi VOA

Prep Batch: 448438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	3541	
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	3541	
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	3541	
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	3541	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	3541	
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	3541	
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	3541	
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3541	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	3541	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	3541	
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3541	
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3541	

Analysis Batch: 448481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	EPA 8082A	448485
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	EPA 8082A	448485
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	EPA 8082A	448485
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	EPA 8082A	448485
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	EPA 8082A	448485
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	EPA 8082A	448485
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8082A	448485
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	EPA 8082A	448485
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	EPA 8082A	448485
MB 180-448438/1-C	Method Blank	Total/NA	Solid	EPA 8082A	448485
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	448485
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8082A	448485
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 8082A	448485

GC Semi VOA

Cleanup Batch: 448484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	3665A	448438
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	3665A	448438
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	3665A	448438
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	3665A	448438
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	3665A	448438
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	3665A	448438
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	3665A	448438
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3665A	448438
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	3665A	448438
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	3665A	448438
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3665A	448438
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3665A	448438
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3665A	448438
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3665A	448438

Cleanup Batch: 448485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	3660B	448484
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	3660B	448484
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	3660B	448484
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	3660B	448484
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	3660B	448484
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	3660B	448484
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	3660B	448484
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3660B	448484
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	3660B	448484
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	3660B	448484
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3660B	448484
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3660B	448484
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3660B	448484
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3660B	448484

Analysis Batch: 448648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	EPA 8082A	448485

Metals

Prep Batch: 447703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	7471B	
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	7471B	
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	7471B	
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	7471B	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	7471B	
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	7471B	
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	7471B	
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	7471B	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	7471B	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	7471B	
MB 180-447703/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 447703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-447703/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	7471B	
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	7471B	

Prep Batch: 447792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	3050B	
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	3050B	
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	3050B	
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	3050B	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	3050B	
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	3050B	
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	3050B	
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3050B	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	3050B	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	3050B	
MB 180-447792/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-447792/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3050B	
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	3050B	

Analysis Batch: 447842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	EPA 7471B	447703
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	EPA 7471B	447703
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	EPA 7471B	447703
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	EPA 7471B	447703
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	EPA 7471B	447703
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	EPA 7471B	447703
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	EPA 7471B	447703
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 7471B	447703
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	EPA 7471B	447703
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	EPA 7471B	447703
MB 180-447703/1-A	Method Blank	Total/NA	Solid	EPA 7471B	447703
LCS 180-447703/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	447703
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 7471B	447703
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 7471B	447703

Analysis Batch: 448863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	EPA 6010C	447792
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	EPA 6010C	447792
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	EPA 6010C	447792
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	EPA 6010C	447792
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	EPA 6010C	447792
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	EPA 6010C	447792
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	EPA 6010C	447792
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 6010C	447792
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	EPA 6010C	447792
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	EPA 6010C	447792
MB 180-447792/1-A	Method Blank	Total/NA	Solid	EPA 6010C	447792

Metals (Continued)

Analysis Batch: 448863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-447792/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	447792
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 6010C	447792
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 6010C	447792

Analysis Batch: 448997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	EPA 6010C	447792
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	EPA 6010C	447792
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	EPA 6010C	447792

Analysis Batch: 449114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	EPA 6010C	447792
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	EPA 6010C	447792
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 6010C	447792
180-162918-8 MS	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 6010C	447792
180-162918-8 MSD	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	EPA 6010C	447792

Analysis Batch: 449387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	EPA 6010C	447792
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	EPA 6010C	447792
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	EPA 6010C	447792
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	EPA 6010C	447792
MB 180-447792/1-A	Method Blank	Total/NA	Solid	EPA 6010C	447792
LCS 180-447792/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	447792

General Chemistry

Analysis Batch: 447620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162918-1	SSHS-ISMP-NAF-LP2-S1	Total/NA	Solid	2540G	
180-162918-2	SSHS-ISMP-NAF-LP2-S2	Total/NA	Solid	2540G	
180-162918-3	SSHS-ISMP-NAF-LP2-B1	Total/NA	Solid	2540G	
180-162918-4	SSHS-ISMP-NAF-EL-S1	Total/NA	Solid	2540G	
180-162918-5	SSHS-ISMP-NAF-EL-S2	Total/NA	Solid	2540G	
180-162918-6	SSHS-ISMP-NAF-EL-S3	Total/NA	Solid	2540G	
180-162918-7	SSHS-ISMP-NAF-EL-S4	Total/NA	Solid	2540G	
180-162918-8	SSHS-ISMP-NAF-EL-B1	Total/NA	Solid	2540G	
180-162918-9	SSHS-ISMP-NAF-EL-B2	Total/NA	Solid	2540G	
180-162918-10	SSHS-ISMP-DUP23A	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-LP2-S1	9/22/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LP2-S2	9/22/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LP2-B1	9/22/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-S1	9/22/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-S2	9/22/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-EL-S3	9/22/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-S4	9/22/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-EL-B1	9/22/23	1555	G	S	N	Y	X	X	X	X									16	
SSHS-ISMP-NAF-EL-B2	9/22/23	1600	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-DUP23A	9/22/23	-	G	S	N	N	X	X	X	X	X	X							8	

180-162918 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Mrauch Stelmach	9/22/23 1800	Geosyntec		9/23/23 0955	
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Mr Aron Krasnopoler	M Stelmach 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180 162918 Chain of Custody

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A TCL PCBs	6010C, 7471B TAL Metals/mercury	8260C VOCs	3270D, SVOCs	537 1 (mod.) PFAS	537 1 (mod.) SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-LP2-S1	9/22/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LP2-S2	9/22/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LP2-B1	9/22/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S1	9/22/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S2	9/22/23	1520	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-EL-S3	9/22/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S4	9/22/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-B1	9/22/23	1555	G	S	N	Y	X	X	X	X			16	
SSHS-ISMP-NAF-EL-B2	9/22/23	1600	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP23A	9/22/23		G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	9/22/23 1800	Company: Geosyntec	[signature]	9/23/23 845	Eosh
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. 21632102 | Cooler Temperature(s) °C and Other Remarks: 3.7°C

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180 162918 Field Sheet

Tracking # 7734-6574-9003

Job.

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID L-11 Corr Factor (+ /) 0 °C

Ice C Wet C Gel Other

Cooler Custody Seal 2163202

Cooler ID

Temp Observed 3.7 °C Corrected 3.7 °C

From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☑	☐

Initials. JL Date. 9/23/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials. DM Date. 09/23/23

Notes.

Trizma Lot #(s)

Ammonium Acetate Lot #(s)

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials. DM Date. 09/23/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162918-1

Login Number: 162918
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/19/2023 5:36:02 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-162987-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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10/19/2023 5:36:02 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-162987-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-162987-1

Receipt
The samples were received on 9/26/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 2.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-447681 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 1,4-Dioxane, and trans-1,3-Dichloropropene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-448149 was above criteria for the following analyte: 2-Nitroaniline. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-448481 (CCV 180-448481/1) was above criteria for aroclor 1254 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-448648 (CCV 180-448648/1) was above criteria for aroclor 1254 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1254 were reported from column RTX-CLP1 which met criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following samples were diluted to bring the concentration of calcium within the instrument's linear range: SSHS-ISMP-NAF-EL-S5 (180-162987-1), SSHS-ISMP-NAF-EL-S7 (180-162987-3), and SSHS-ISMP-NAF-EL-S8 (180-162987-4). Elevated reporting limits (RLs) are provided.

Method 6010C: The following samples were inadvertently analyzed at a dilution for arsenic: SSHS-ISMP-NAF-EL-S7 (180-162987-3) and SSHS-ISMP-NAF-EL-S8 (180-162987-4). Elevated reporting limits (RLs) are provided. As the results were above the reporting limit, an undiluted analysis was not completed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method Moisture: The RPD between the original and laboratory duplicate analysis of sample SSHS-ISMP-NAF-EL-S5 (180-162987-1) was above the control limits for percent moisture, but within the control limits for percent solids.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-162987-1	SSHS-ISMP-NAF-EL-S5	Solid	09/25/23 14:00	09/26/23 09:25
180-162987-2	SSHS-ISMP-NAF-EL-S6	Solid	09/25/23 14:05	09/26/23 09:25
180-162987-3	SSHS-ISMP-NAF-EL-S7	Solid	09/25/23 14:10	09/26/23 09:25
180-162987-4	SSHS-ISMP-NAF-EL-S8	Solid	09/25/23 14:15	09/26/23 09:25
180-162987-5	SSHS-ISMP-NAF-EL-B3	Solid	09/25/23 14:20	09/26/23 09:25
180-162987-6	SSHS-ISMP-DUP24A	Solid	09/25/23 00:00	09/26/23 09:25
180-162987-7	SSHS-ISMP-NAF-EL-B4	Solid	09/25/23 14:25	09/26/23 09:25

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1
Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1
Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0023 g	5 mL	447711	09/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 11:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 14:29	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 23:03	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			449294	10/13/23 12:30	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 13:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:17	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2
Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2
Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3026 g	5 mL	447711	09/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 11:49	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 14:51	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448648	10/09/23 10:40	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.93 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.93 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 13:41	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:18	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3
Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3
Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1164 g	5 mL	447711	09/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 12:11	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 15:13	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 23:39	JMO	EET PIT
	Instrument ID: CHGC20									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3
Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.91 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:46	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.91 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			449294	10/13/23 12:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.91 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			449387	10/16/23 13:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:19	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4
Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4
Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2269 g	5 mL	447711	09/27/23 14:16	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 17:24	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 15:35	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/06/23 23:56	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.96 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.96 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			449294	10/13/23 12:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.96 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		5			449387	10/16/23 14:02	AAS	EET PIT
	Instrument ID: Q									

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4
Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:20	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1146 g	5 mL	447711	09/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 13:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 15:57	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/07/23 00:14	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.68 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 18:57	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.68 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 14:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:21	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0462 g	5 mL	447711	09/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 14:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 16:19	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/07/23 00:32	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 19:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.55 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 14:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:26	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7
Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			447962	09/29/23 14:55	CMC	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7
Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4489 g	5 mL	447711	09/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	447681	09/27/23 14:22	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448029	10/02/23 06:19	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448149	10/03/23 16:40	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	448438	10/05/23 13:37	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448484	10/06/23 05:36	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448485	10/06/23 05:37	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448481	10/07/23 00:49	JMO	EET PIT
	Instrument ID: CHGC20									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7
Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.66 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			448863	10/10/23 19:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.66 g	50 mL	447792	09/29/23 06:55	S1Z	EET PIT
Total/NA	Analysis	EPA 6010C		1			449387	10/16/23 14:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	447703	09/27/23 10:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			447842	09/28/23 13:27	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Cleanup
- JMO = John Oravec

Batch Type: Prep
- DVC = Daniel Capodanno
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- S1Z = Sage Ziviello
- VJC = Vincent Cervone

Batch Type: Analysis
- AAS = Ariana Swick
- C1F = Courtney Fenk
- CMC = Candace California
- JMO = John Oravec
- MTW = Michael Wesoloski
- PJJ = Patrick Journet
- VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1
Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
2-Butanone (MEK)	ND		26	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Carbon disulfide	ND		5.3	4.2	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Carbon tetrachloride	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Chloroform	ND		5.3	3.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
cis-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,3-Dichlorobenzene	ND		5.3	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Dichlorodifluoromethane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,4-Dioxane	ND		1100	80	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Ethylbenzene	ND		5.3	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
2-Hexanone	ND		26	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Isopropylbenzene	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Methyl acetate	ND		26	7.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Methylcyclohexane	ND		5.3	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Methylene Chloride	ND		5.3	4.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Methyl tert-butyl ether	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
trans-1,2-Dichloroethene	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,1,2-Trichloroethane	ND		5.3	1.0	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1
Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1
Xylenes, Total	ND		11	7.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*09/27/23 07:12*	*09/27/23 11:26*	*1*
Dibromofluoromethane (Surr)	*85*		*69 - 126*	*09/27/23 07:12*	*09/27/23 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*73 - 135*	*09/27/23 07:12*	*09/27/23 11:26*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*09/27/23 07:12*	*09/27/23 11:26*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	20	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Acenaphthylene	**25**	**J**	68	15	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Acetophenone	ND		680	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Anthracene	**18**	**J**	68	18	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Atrazine	ND		680	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Benzaldehyde	ND		680	42	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Benzo[a]anthracene	**57**	**J**	68	31	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Benzo[a]pyrene	**59**	**J**	68	29	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Benzo[b]fluoranthene	**71**		68	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Benzo[g,h,i]perylene	**77**		68	15	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Benzo[k]fluoranthene	**26**	**J**	68	20	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
1,1'-Biphenyl	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Bis(2-chloroethoxy)methane	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Bis(2-ethylhexyl) phthalate	ND		3400	360	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4-Bromophenyl phenyl ether	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Butyl benzyl phthalate	ND		340	230	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Caprolactam	ND		1700	220	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Carbazole	ND		68	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4-Chloroaniline	ND		340	89	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4-Chloro-3-methylphenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2-Chloronaphthalene	ND		68	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2-Chlorophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4-Chlorophenyl phenyl ether	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Chrysene	**56**	**J**	68	38	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Dibenz(a,h)anthracene	ND		68	44	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Dibenzofuran	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
3,3'-Dichlorobenzidine	ND		340	320	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Diethyl phthalate	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,4-Dimethylphenol	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Dimethyl phthalate	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Di-n-butyl phthalate	ND		340	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4,6-Dinitro-2-methylphenol	ND		1700	590	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,4-Dinitrophenol	ND		3400	2100	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,4-Dinitrotoluene	ND		340	200	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1

Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Di-n-octyl phthalate	ND		340	200	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
1,4-Dioxane	ND		680	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Fluoranthene	**97**		68	18	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Fluorene	ND		68	13	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Hexachlorocyclopentadiene	ND		340	35	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Hexachloroethane	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Indeno[1,2,3-cd]pyrene	**52**	**J**	68	34	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Isophorone	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2-Methylphenol	ND		340	97	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Methylphenol, 3 & 4	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Naphthalene	**40**	**J**	68	13	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Nitrobenzene	ND		680	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2-Nitrophenol	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
N-Nitrosodiphenylamine	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Pentachlorophenol	ND		1700	550	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Phenanthrene	**50**	**J**	68	18	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Phenol	ND		340	100	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
Pyrene	**83**		68	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
1,2,4,5-Tetrachlorobenzene	ND		340	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,3,4,6-Tetrachlorophenol	ND		340	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,4,5-Trichlorophenol	ND		340	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1
2,4,6-Trichlorophenol	ND		340	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*44 - 105*	*10/02/23 06:19*	*10/03/23 14:29*	*1*
2-Fluorophenol (Surr)	*89*		*48 - 105*	*10/02/23 06:19*	*10/03/23 14:29*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*10/02/23 06:19*	*10/03/23 14:29*	*1*
Phenol-d5 (Surr)	*89*		*46 - 105*	*10/02/23 06:19*	*10/03/23 14:29*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*10/02/23 06:19*	*10/03/23 14:29*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*10/02/23 06:19*	*10/03/23 14:29*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1221	ND		18	6.2	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1232	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1248	**180**		18	4.2	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1254	**240**		18	5.3	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1260	**110**		18	5.0	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1

Client Sample ID: SSHS-ISMP-NAF-EL-S5
Lab Sample ID: 180-162987-1
Date Collected: 09/25/23 14:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 95.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.2	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*10/05/23 13:37*	*10/06/23 23:03*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*10/05/23 13:37*	*10/06/23 23:03*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*10/05/23 13:37*	*10/06/23 23:03*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*10/05/23 13:37*	*10/06/23 23:03*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4600**		18	4.4	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Antimony	ND		0.88	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Arsenic	**3.7**		0.88	0.55	mg/Kg	☼	09/29/23 06:55	10/16/23 13:36	1
Barium	**52**		18	3.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Beryllium	**0.19**	**J**	0.35	0.096	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Cadmium	**0.30**	**J**	0.44	0.064	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Calcium	**100000**		2200	280	mg/Kg	☼	09/29/23 06:55	10/13/23 12:30	5
Chromium	**6.6**		0.44	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Cobalt	**3.9**	**J**	4.4	0.62	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Copper	**24**		2.2	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Iron	**11000**		8.8	8.5	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Lead	**12**		0.88	0.76	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Magnesium	**11000**		440	48	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Manganese	**300**		1.3	0.24	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Nickel	**22**		3.5	0.44	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Potassium	**440**	**B**	440	75	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Selenium	ND		0.88	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Silver	ND		0.44	0.091	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Sodium	**84**	**J**	440	45	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Thallium	ND		1.8	0.25	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Vanadium	**7.4**		4.4	0.69	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1
Zinc	**71**		1.8	1.3	mg/Kg	☼	09/29/23 06:55	10/10/23 18:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J**	0.034	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**5.0**		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	**95.0**		0.1	0.1	%			09/29/23 14:55	1

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2
Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Benzene	ND		5.1	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2
Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.1	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Chloroform	ND		5.1	3.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
cis-1,2-Dichloroethene	ND		5.1	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Cyclohexane	ND		5.1	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Dichlorodifluoromethane	ND		5.1	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,4-Dioxane	ND		1000	78	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Styrene	ND		5.1	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Toluene	ND		5.1	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2

Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.7

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	09/27/23 07:12	09/27/23 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*09/27/23 07:12*	*09/27/23 11:49*	*1*
Dibromofluoromethane (Surr)	*86*		*69 - 126*	*09/27/23 07:12*	*09/27/23 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*09/27/23 07:12*	*09/27/23 11:49*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*09/27/23 07:12*	*09/27/23 11:49*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Acenaphthylene	**52**	**J**	72	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Acetophenone	ND		720	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Anthracene	**28**	**J**	72	19	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Atrazine	ND		720	160	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Benzaldehyde	ND		720	45	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Benzo[a]anthracene	**100**		72	32	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Benzo[a]pyrene	**110**		72	31	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Benzo[b]fluoranthene	**140**		72	18	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Benzo[g,h,i]perylene	**140**		72	15	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Benzo[k]fluoranthene	**58**	**J**	72	22	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Carbazole	ND		72	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4-Chloroaniline	ND		360	94	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Chrysene	**99**		72	40	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Dibenzofuran	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
3,3'-Dichlorobenzidine	ND		360	330	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4,6-Dinitro-2-methylphenol	ND		1800	620	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,4-Dinitrotoluene	ND		360	210	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2
Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.7

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		720	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Fluoranthene	**170**		72	19	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Fluorene	ND		72	14	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Hexachloroethane	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Indeno[1,2,3-cd]pyrene	**120**		72	36	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Isophorone	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2-Methylnaphthalene	**22**	**J**	72	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2-Methylphenol	ND		360	100	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Naphthalene	**89**		72	14	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Nitrobenzene	ND		720	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Phenanthrene	**76**		72	19	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Phenol	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
Pyrene	**150**		72	17	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,4,5-Trichlorophenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*10/02/23 06:19*	*10/03/23 14:51*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*10/02/23 06:19*	*10/03/23 14:51*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 105*	*10/02/23 06:19*	*10/03/23 14:51*	*1*
Phenol-d5 (Surr)	*94*		*46 - 105*	*10/02/23 06:19*	*10/03/23 14:51*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*10/02/23 06:19*	*10/03/23 14:51*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*10/02/23 06:19*	*10/03/23 14:51*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1221	ND		18	6.4	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1242	ND		18	2.7	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1248	ND		18	4.4	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1254	**190**		18	5.5	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1260	**98**		18	5.2	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1262	ND		18	6.4	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/09/23 10:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-S6
Lab Sample ID: 180-162987-2

Date Collected: 09/25/23 14:05
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*10/05/23 13:37*	*10/09/23 10:40*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*63 - 138*	*10/05/23 13:37*	*10/09/23 10:40*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*10/05/23 13:37*	*10/09/23 10:40*	*1*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*	*10/05/23 13:37*	*10/09/23 10:40*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5400**		12	2.9	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Antimony	ND		0.59	0.18	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Arsenic	**4.8**		0.59	0.37	mg/Kg	☼	09/29/23 06:55	10/16/23 13:41	1
Barium	**83**		12	2.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Beryllium	**0.20**	**J**	0.23	0.064	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Cadmium	**0.25**	**J**	0.29	0.043	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Calcium	**21000**		290	38	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Chromium	**7.9**		0.29	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Cobalt	**5.2**		2.9	0.41	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Copper	**26**		1.5	0.89	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Iron	**14000**		5.9	5.7	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Lead	**14**		0.59	0.51	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Magnesium	**3400**		290	32	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Manganese	**300**		0.88	0.16	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Nickel	**29**		2.3	0.30	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Potassium	**340**	**B**	290	50	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Selenium	ND		0.59	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Silver	ND		0.29	0.061	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Sodium	**42**	**J**	290	30	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Thallium	**0.21**	**J**	1.2	0.17	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Vanadium	**8.4**		2.9	0.46	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1
Zinc	**62**		1.2	0.85	mg/Kg	☼	09/29/23 06:55	10/10/23 18:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**	**J**	0.034	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.3**		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	**91.7**		0.1	0.1	%			09/29/23 14:55	1

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3

Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3
Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	09/27/23 07:12	09/27/23 12:11	1

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3

Date Collected: 09/25/23 14:10
Matrix: Solid

Date Received: 09/26/23 09:25
Percent Solids: 91.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*60 - 124*	*09/27/23 07:12*	*09/27/23 12:11*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*09/27/23 07:12*	*09/27/23 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*73 - 135*	*09/27/23 07:12*	*09/27/23 12:11*	*1*
Toluene-d8 (Surr)	*86*		*67 - 134*	*09/27/23 07:12*	*09/27/23 12:11*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Acenaphthylene	**22**	**J**	71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Acetophenone	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Anthracene	ND		71	18	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Atrazine	ND		710	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Benzaldehyde	ND		710	44	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Benzo[a]anthracene	**40**	**J**	71	32	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Benzo[a]pyrene	**44**	**J**	71	31	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Benzo[b]fluoranthene	**47**	**J**	71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Benzo[g,h,i]perylene	**44**	**J**	71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Benzo[k]fluoranthene	**22**	**J**	71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Carbazole	ND		71	16	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Chrysene	**40**	**J**	71	39	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Dibenzofuran	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Fluoranthene	**59**	**J**	71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Fluorene	ND		71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3
Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Hexachloroethane	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Isophorone	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2-Methylphenol	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Naphthalene	ND		71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Nitrobenzene	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Phenanthrene	**25**	**J**	71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Phenol	ND		350	110	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
Pyrene	**52**	**J**	71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*10/02/23 06:19*	*10/03/23 15:13*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*10/02/23 06:19*	*10/03/23 15:13*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*10/02/23 06:19*	*10/03/23 15:13*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*10/02/23 06:19*	*10/03/23 15:13*	*1*
Terphenyl-d14 (Surr)	*74*		*39 - 105*	*10/02/23 06:19*	*10/03/23 15:13*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*34 - 108*	*10/02/23 06:19*	*10/03/23 15:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1221	ND		18	6.4	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1248	**200**		18	4.3	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1254	**200**		18	5.4	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1260	**84**		18	5.1	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1262	ND		18	6.4	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/06/23 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*10/05/23 13:37*	*10/06/23 23:39*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*10/05/23 13:37*	*10/06/23 23:39*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*10/05/23 13:37*	*10/06/23 23:39*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-S7
Lab Sample ID: 180-162987-3

Date Collected: 09/25/23 14:10
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*10/05/23 13:37*	*10/06/23 23:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		12	3.0	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Antimony	ND		0.60	0.18	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Arsenic	**5.8**		3.0	1.9	mg/Kg	☼	09/29/23 06:55	10/16/23 13:57	5
Barium	**68**		12	2.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Beryllium	**0.23**	**J**	0.24	0.065	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Cadmium	**0.31**		0.30	0.044	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Calcium	**71000**		1500	190	mg/Kg	☼	09/29/23 06:55	10/13/23 12:51	5
Chromium	**10**		0.30	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Cobalt	**5.9**		3.0	0.42	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Copper	**20**		1.5	0.91	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Iron	**14000**		6.0	5.8	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Lead	**13**		0.60	0.52	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Magnesium	**8900**		300	33	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Manganese	**370**		0.90	0.17	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Nickel	**15**		2.4	0.30	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Potassium	**410**	**B**	300	51	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Selenium	ND		0.60	0.28	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Silver	ND		0.30	0.062	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Sodium	**72**	**J**	300	31	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Thallium	ND		1.2	0.17	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Vanadium	**10**		3.0	0.47	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1
Zinc	**52**		1.2	0.87	mg/Kg	☼	09/29/23 06:55	10/10/23 18:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.035	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**8.5**		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	**91.5**		0.1	0.1	%			09/29/23 14:55	1

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4

Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Benzene	ND		5.7	1.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4
Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Dichlorobromomethane	ND		5.7	2.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Styrene	ND		5.7	1.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Toluene	ND		5.7	1.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	09/27/23 14:16	09/27/23 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*09/27/23 14:16*	*09/27/23 17:24*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*09/27/23 14:16*	*09/27/23 17:24*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4

Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*73 - 135*	*09/27/23 14:16*	*09/27/23 17:24*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*09/27/23 14:16*	*09/27/23 17:24*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Acenaphthylene	**61**	**J**	78	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Acetophenone	ND		780	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Anthracene	**59**	**J**	78	20	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Atrazine	ND		780	170	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Benzaldehyde	ND		780	48	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Benzo[a]anthracene	**140**		78	35	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Benzo[a]pyrene	**140**		78	34	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Benzo[b]fluoranthene	**150**		78	19	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Benzo[g,h,i]perylene	**130**		78	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Benzo[k]fluoranthene	**62**	**J**	78	23	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4-Bromophenyl phenyl ether	ND		380	170	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Butyl benzyl phthalate	ND		380	270	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Caprolactam	ND		2000	250	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Carbazole	ND		78	18	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Chrysene	**140**		78	43	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Dibenzofuran	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Di-n-octyl phthalate	ND		380	230	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Fluoranthene	**290**		78	21	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Fluorene	ND		78	15	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Hexachlorocyclopentadiene	ND		380	40	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4
Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Indeno[1,2,3-cd]pyrene	**100**		78	39	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Isophorone	ND		380	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2-Methylphenol	ND		380	110	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Naphthalene	**29**	**J**	78	15	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Nitrobenzene	ND		780	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Phenanthrene	**140**		78	21	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Phenol	ND		380	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
Pyrene	**240**		78	18	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,4,5-Trichlorophenol	ND		380	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*10/02/23 06:19*	*10/03/23 15:35*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*10/02/23 06:19*	*10/03/23 15:35*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*10/02/23 06:19*	*10/03/23 15:35*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*10/02/23 06:19*	*10/03/23 15:35*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*10/02/23 06:19*	*10/03/23 15:35*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*34 - 108*	*10/02/23 06:19*	*10/03/23 15:35*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1221	ND		19	6.8	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1248	**100**		19	4.6	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1254	**130**		19	5.8	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1260	**58**		19	5.5	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1262	ND		19	6.8	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1
PCB-1268	ND		19	2.6	ug/Kg	☼	10/05/23 13:37	10/06/23 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*10/05/23 13:37*	*10/06/23 23:56*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*10/05/23 13:37*	*10/06/23 23:56*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*10/05/23 13:37*	*10/06/23 23:56*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*10/05/23 13:37*	*10/06/23 23:56*	*1*

Client Sample ID: SSHS-ISMP-NAF-EL-S8
Lab Sample ID: 180-162987-4
Date Collected: 09/25/23 14:15
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 84.2

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6500		12	3.1	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Antimony	0.26	J	0.62	0.19	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Arsenic	4.9		3.1	1.9	mg/Kg	☼	09/29/23 06:55	10/16/23 14:02	5
Barium	73		12	2.2	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Beryllium	0.25		0.25	0.067	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Cadmium	0.34		0.31	0.045	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Calcium	98000		1500	200	mg/Kg	☼	09/29/23 06:55	10/13/23 12:56	5
Chromium	9.1		0.31	0.28	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Cobalt	5.7		3.1	0.44	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Copper	21		1.5	0.93	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Iron	15000		6.2	6.0	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Lead	12		0.62	0.54	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Magnesium	11000		310	34	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Manganese	450		0.93	0.17	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Nickel	15		2.5	0.31	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Potassium	400	B	310	53	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Selenium	ND		0.62	0.29	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Silver	ND		0.31	0.064	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Sodium	79	J	310	32	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Thallium	ND		1.2	0.18	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Vanadium	9.9		3.1	0.49	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1
Zinc	58		1.2	0.90	mg/Kg	☼	09/29/23 06:55	10/10/23 18:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061		0.039	0.025	mg/Kg	☼	09/27/23 10:15	09/28/23 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.8		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	84.2		0.1	0.1	%			09/29/23 14:55	1

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Benzene	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Chlorodibromomethane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Cyclohexane	ND		5.3	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2-Dichloroethene, Total	ND		11	4.3	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,4-Dioxane	ND		1100	81	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Methyl acetate	ND		27	7.8	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Styrene	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Toluene	ND		5.3	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Vinyl chloride	ND		5.3	3.8	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	09/27/23 07:12	09/27/23 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*09/27/23 07:12*	*09/27/23 13:38*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*09/27/23 07:12*	*09/27/23 13:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*09/27/23 07:12*	*09/27/23 13:38*	*1*
Toluene-d8 (Surr)	*83*		*67 - 134*	*09/27/23 07:12*	*09/27/23 13:38*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Acenaphthylene	ND		71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Acetophenone	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Anthracene	ND		71	18	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Atrazine	ND		710	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Benzaldehyde	ND		710	44	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Benzo[b]fluoranthene	ND		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Caprolactam	ND		1800	230	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Carbazole	ND		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Chrysene	ND		71	39	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Dibenzofuran	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4,6-Dinitro-2-methylphenol	ND		1800	610	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Fluoranthene	ND		71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Fluorene	ND		71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Hexachloroethane	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Isophorone	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2-Methylphenol	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1

Client Sample ID: SSHS-ISMP-NAF-EL-B3
Lab Sample ID: 180-162987-5

Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Naphthalene	ND		71	14	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Nitrobenzene	ND		710	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Phenanthrene	ND		71	19	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Phenol	ND		350	110	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
Pyrene	ND		71	17	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	10/02/23 06:19	10/03/23 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*10/02/23 06:19*	*10/03/23 15:57*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*10/02/23 06:19*	*10/03/23 15:57*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*10/02/23 06:19*	*10/03/23 15:57*	*1*
Phenol-d5 (Surr)	*90*		*46 - 105*	*10/02/23 06:19*	*10/03/23 15:57*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*10/02/23 06:19*	*10/03/23 15:57*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*10/02/23 06:19*	*10/03/23 15:57*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1232	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1248	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1254	**74**		18	5.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1260	**39**		18	5.1	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1262	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/07/23 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*63 - 138*	*10/05/23 13:37*	*10/07/23 00:14*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*10/05/23 13:37*	*10/07/23 00:14*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*10/05/23 13:37*	*10/07/23 00:14*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*10/05/23 13:37*	*10/07/23 00:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		16	4.0	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Antimony	**0.25**	**J**	0.80	0.24	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1

Client Sample ID: SSHS-ISMP-NAF-EL-B3

Lab Sample ID: 180-162987-5
Date Collected: 09/25/23 14:20
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.8

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.9		0.80	0.50	mg/Kg	☼	09/29/23 06:55	10/16/23 14:07	1
Barium	53		16	2.9	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Beryllium	0.25	J	0.32	0.087	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Cadmium	0.30	J	0.40	0.059	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Calcium	47000		400	52	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Chromium	8.7		0.40	0.36	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Cobalt	5.7		4.0	0.56	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Copper	24		2.0	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Iron	17000		8.0	7.8	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Lead	9.2		0.80	0.70	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Magnesium	9800		400	44	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Manganese	390		1.2	0.22	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Nickel	26		3.2	0.40	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Potassium	450	B	400	68	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Selenium	ND		0.80	0.37	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Silver	ND		0.40	0.083	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Sodium	57	J	400	41	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Thallium	ND		1.6	0.23	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Vanadium	10		4.0	0.63	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1
Zinc	56		1.6	1.2	mg/Kg	☼	09/29/23 06:55	10/10/23 18:57	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.035	0.022	mg/Kg	☼	09/27/23 10:15	09/28/23 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.2		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	91.8		0.1	0.1	%			09/29/23 14:55	1

Client Sample ID: SSHS-ISMP-DUP24A

Lab Sample ID: 180-162987-6
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Benzene	ND		5.4	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6
Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,4-Dioxane	ND		1100	82	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Styrene	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Toluene	ND		5.4	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*60 - 124*	*09/27/23 07:12*	*09/27/23 14:00*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*	*09/27/23 07:12*	*09/27/23 14:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*09/27/23 07:12*	*09/27/23 14:00*	*1*
Toluene-d8 (Surr)	*77*		*67 - 134*	*09/27/23 07:12*	*09/27/23 14:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		73	21	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6

Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		73	16	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Acetophenone	ND		730	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Anthracene	ND		73	19	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Atrazine	ND		730	160	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Benzaldehyde	ND		730	45	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Benzo[a]anthracene	**52**	**J**	73	33	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Benzo[a]pyrene	**45**	**J**	73	32	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Benzo[b]fluoranthene	**49**	**J**	73	18	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Benzo[g,h,i]perylene	**41**	**J**	73	16	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Benzo[k]fluoranthene	**22**	**J**	73	22	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Bis(2-chloroethyl)ether	ND		73	13	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Caprolactam	ND		1900	240	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Carbazole	ND		73	17	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2-Chloronaphthalene	ND		73	17	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Chrysene	**45**	**J**	73	40	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Dibenz(a,h)anthracene	ND		73	47	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Dibenzofuran	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,4-Dichlorophenol	ND		73	28	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
1,4-Dioxane	ND		730	110	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Fluoranthene	**98**		73	19	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Fluorene	ND		73	14	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Hexachlorobenzene	ND		73	26	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Hexachlorobutadiene	ND		73	21	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Hexachloroethane	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Indeno[1,2,3-cd]pyrene	ND		73	36	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Isophorone	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2-Methylnaphthalene	ND		73	17	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2-Methylphenol	ND		360	100	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6

Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		73	14	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Nitrobenzene	ND		730	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
N-Nitrosodi-n-propylamine	ND		73	25	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,2'-oxybis[1-chloropropane]	ND		73	27	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Phenanthrene	**26**	**J**	73	20	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Phenol	ND		360	110	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
Pyrene	**76**		73	17	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	10/02/23 06:19	10/03/23 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*44 - 105*	*10/02/23 06:19*	*10/03/23 16:19*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*10/02/23 06:19*	*10/03/23 16:19*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*10/02/23 06:19*	*10/03/23 16:19*	*1*
Phenol-d5 (Surr)	*85*		*46 - 105*	*10/02/23 06:19*	*10/03/23 16:19*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*10/02/23 06:19*	*10/03/23 16:19*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*10/02/23 06:19*	*10/03/23 16:19*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1221	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1242	ND		18	2.6	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1248	ND		18	4.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1254	**60**		18	5.4	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1260	**48**		18	5.1	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1262	ND		18	6.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1
PCB-1268	ND		18	2.4	ug/Kg	☼	10/05/23 13:37	10/07/23 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*10/05/23 13:37*	*10/07/23 00:32*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*10/05/23 13:37*	*10/07/23 00:32*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*10/05/23 13:37*	*10/07/23 00:32*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*10/05/23 13:37*	*10/07/23 00:32*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7300**		20	5.0	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Antimony	ND		0.99	0.30	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Arsenic	**6.3**		0.99	0.62	mg/Kg	☼	09/29/23 06:55	10/16/23 14:12	1

Client Sample ID: SSHS-ISMP-DUP24A
Lab Sample ID: 180-162987-6

Date Collected: 09/25/23 00:00
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 91.5

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	66		20	3.5	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Beryllium	0.27	J	0.40	0.11	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Cadmium	0.23	J	0.50	0.073	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Calcium	26000		500	64	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Chromium	10		0.50	0.45	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Cobalt	6.4		5.0	0.70	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Copper	25		2.5	1.5	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Iron	18000		9.9	9.7	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Lead	11		0.99	0.87	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Magnesium	4700		500	55	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Manganese	440		1.5	0.28	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Nickel	25		4.0	0.50	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Potassium	600	B	500	85	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Selenium	ND		0.99	0.46	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Silver	ND		0.50	0.10	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Sodium	51	J	500	51	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Thallium	ND		2.0	0.28	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Vanadium	11		5.0	0.79	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1
Zinc	62		2.0	1.4	mg/Kg	☼	09/29/23 06:55	10/10/23 19:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg	☼	09/27/23 10:15	09/28/23 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.5		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	91.5		0.1	0.1	%			09/29/23 14:55	1

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7

Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 79.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Benzene	ND		5.8	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Carbon tetrachloride	ND		5.8	2.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
cis-1,2-Dichloroethene	ND		5.8	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
cis-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7

Date Collected: 09/25/23 14:25
Matrix: Solid

Date Received: 09/26/23 09:25
Percent Solids: 79.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,3-Dichlorobenzene	ND		5.8	3.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,1-Dichloroethane	ND		5.8	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,4-Dioxane	ND		1200	88	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Styrene	ND		5.8	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Toluene	ND		5.8	1.7	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Trichlorofluoromethane	ND		5.8	4.8	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Vinyl chloride	ND		5.8	4.2	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	09/27/23 07:12	09/27/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*09/27/23 07:12*	*09/27/23 14:22*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*09/27/23 07:12*	*09/27/23 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*73 - 135*	*09/27/23 07:12*	*09/27/23 14:22*	*1*
Toluene-d8 (Surr)	*76*		*67 - 134*	*09/27/23 07:12*	*09/27/23 14:22*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Acenaphthylene	**54**	**J**	83	18	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7
Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 79.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		830	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Anthracene	**22**	**J**	83	21	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Atrazine	ND		830	180	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Benzaldehyde	ND		830	51	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Benzo[a]anthracene	**83**		83	37	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Benzo[a]pyrene	**100**		83	36	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Benzo[b]fluoranthene	**110**		83	20	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Benzo[g,h,i]perylene	**100**		83	18	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Benzo[k]fluoranthene	**57**	**J**	83	25	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Caprolactam	ND		2100	270	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Carbazole	ND		83	19	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Chrysene	**100**		83	46	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Dibenzofuran	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Fluoranthene	**130**		83	22	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Fluorene	ND		83	16	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Hexachloroethane	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Indeno[1,2,3-cd]pyrene	**79**	**J**	83	41	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Isophorone	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2-Methylnaphthalene	**24**	**J**	83	20	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2-Methylphenol	ND		410	120	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Naphthalene	**34**	**J**	83	16	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7

Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 79.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2100	190	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Nitrobenzene	ND		830	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Phenanthrene	**45**	**J**	83	22	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Phenol	ND		410	130	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
Pyrene	**120**		83	20	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	10/02/23 06:19	10/03/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*10/02/23 06:19*	*10/03/23 16:40*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*10/02/23 06:19*	*10/03/23 16:40*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*10/02/23 06:19*	*10/03/23 16:40*	*1*
Phenol-d5 (Surr)	*91*		*46 - 105*	*10/02/23 06:19*	*10/03/23 16:40*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*10/02/23 06:19*	*10/03/23 16:40*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*34 - 108*	*10/02/23 06:19*	*10/03/23 16:40*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1221	ND		21	7.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1232	ND		21	5.0	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1242	ND		21	3.0	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1248	ND		21	5.0	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1254	**110**		21	6.2	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1260	**62**		21	5.9	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1262	ND		21	7.3	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1
PCB-1268	ND		21	2.8	ug/Kg	☼	10/05/23 13:37	10/07/23 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*10/05/23 13:37*	*10/07/23 00:49*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*10/05/23 13:37*	*10/07/23 00:49*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*10/05/23 13:37*	*10/07/23 00:49*	*1*
Tetrachloro-m-xylene (Surr)	*98*		*55 - 135*	*10/05/23 13:37*	*10/07/23 00:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		19	4.8	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Antimony	ND		0.96	0.29	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Arsenic	**6.3**		0.96	0.60	mg/Kg	☼	09/29/23 06:55	10/16/23 14:17	1
Barium	**92**		19	3.4	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-EL-B4
Lab Sample ID: 180-162987-7

Date Collected: 09/25/23 14:25
Matrix: Solid
Date Received: 09/26/23 09:25
Percent Solids: 79.1

Method: SW846 EPA 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.44		0.38	0.10	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Cadmium	0.37	J	0.48	0.070	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Calcium	4900		480	62	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Chromium	18		0.48	0.44	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Cobalt	7.8		4.8	0.67	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Copper	19		2.4	1.4	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Iron	18000		9.6	9.3	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Lead	20		0.96	0.83	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Magnesium	3000		480	53	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Manganese	450		1.4	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Nickel	20		3.8	0.48	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Potassium	660	B	480	81	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Selenium	ND		0.96	0.44	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Silver	ND		0.48	0.10	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Sodium	ND		480	49	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Thallium	0.29	J	1.9	0.27	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Vanadium	14		4.8	0.76	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1
Zinc	76		1.9	1.4	mg/Kg	☼	09/29/23 06:55	10/10/23 19:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.040	0.026	mg/Kg	☼	09/27/23 10:15	09/28/23 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	20.9		0.1	0.1	%			09/29/23 14:55	1
Percent Solids (SM22 2540G)	79.1		0.1	0.1	%			09/29/23 14:55	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-447681/7
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			09/27/23 10:40	1
Benzene	ND		5.0	1.4	ug/Kg			09/27/23 10:40	1
Bromoform	ND		5.0	2.5	ug/Kg			09/27/23 10:40	1
Bromomethane	ND		5.0	2.3	ug/Kg			09/27/23 10:40	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			09/27/23 10:40	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			09/27/23 10:40	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			09/27/23 10:40	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			09/27/23 10:40	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			09/27/23 10:40	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			09/27/23 10:40	1
Chloroethane	ND		5.0	2.9	ug/Kg			09/27/23 10:40	1
Chloroform	ND		5.0	3.4	ug/Kg			09/27/23 10:40	1
Chloromethane	ND		5.0	2.0	ug/Kg			09/27/23 10:40	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			09/27/23 10:40	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			09/27/23 10:40	1
Cyclohexane	ND		5.0	2.4	ug/Kg			09/27/23 10:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			09/27/23 10:40	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			09/27/23 10:40	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			09/27/23 10:40	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			09/27/23 10:40	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			09/27/23 10:40	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			09/27/23 10:40	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			09/27/23 10:40	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			09/27/23 10:40	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			09/27/23 10:40	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			09/27/23 10:40	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			09/27/23 10:40	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			09/27/23 10:40	1
1,4-Dioxane	ND		1000	76	ug/Kg			09/27/23 10:40	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			09/27/23 10:40	1
2-Hexanone	ND		25	1.6	ug/Kg			09/27/23 10:40	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			09/27/23 10:40	1
Methyl acetate	ND		25	7.4	ug/Kg			09/27/23 10:40	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			09/27/23 10:40	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			09/27/23 10:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			09/27/23 10:40	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			09/27/23 10:40	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			09/27/23 10:40	1
o-Xylene	ND		5.0	2.0	ug/Kg			09/27/23 10:40	1
Styrene	ND		5.0	1.5	ug/Kg			09/27/23 10:40	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			09/27/23 10:40	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			09/27/23 10:40	1
Toluene	ND		5.0	1.4	ug/Kg			09/27/23 10:40	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			09/27/23 10:40	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			09/27/23 10:40	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			09/27/23 10:40	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			09/27/23 10:40	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			09/27/23 10:40	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-447681/7
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			09/27/23 10:40	1
Trichloroethene	ND		5.0	1.6	ug/Kg			09/27/23 10:40	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			09/27/23 10:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			09/27/23 10:40	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			09/27/23 10:40	1
Xylenes, Total	ND		10	7.2	ug/Kg			09/27/23 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*		*09/27/23 10:40*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*		*09/27/23 10:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*		*09/27/23 10:40*	*1*
Toluene-d8 (Surr)	*77*		*67 - 134*		*09/27/23 10:40*	*1*

Lab Sample ID: LCS 180-447681/17
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	45.8		ug/Kg		115	23 - 170
Benzene	40.0	34.5		ug/Kg		86	77 - 120
Bromoform	40.0	34.1		ug/Kg		85	37 - 147
Bromomethane	40.0	37.1		ug/Kg		93	47 - 149
2-Butanone (MEK)	40.0	39.1		ug/Kg		98	39 - 157
Carbon disulfide	40.0	35.2		ug/Kg		88	40 - 156
Carbon tetrachloride	40.0	33.9		ug/Kg		85	73 - 130
Chlorobenzene	40.0	34.0		ug/Kg		85	79 - 122
Chlorobromomethane	40.0	35.1		ug/Kg		88	64 - 128
Chlorodibromomethane	40.0	33.0		ug/Kg		83	60 - 134
Chloroethane	40.0	37.7		ug/Kg		94	37 - 159
Chloroform	40.0	36.8		ug/Kg		92	73 - 126
Chloromethane	40.0	44.5		ug/Kg		111	46 - 151
cis-1,2-Dichloroethene	40.0	35.7		ug/Kg		89	77 - 118
cis-1,3-Dichloropropene	40.0	31.1		ug/Kg		78	73 - 127
Cyclohexane	40.0	33.4		ug/Kg		83	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.2		ug/Kg		63	30 - 163
1,2-Dibromoethane	40.0	31.4		ug/Kg		79	59 - 137
1,2-Dichlorobenzene	40.0	33.0		ug/Kg		83	76 - 120
1,3-Dichlorobenzene	40.0	32.9		ug/Kg		82	77 - 121
1,4-Dichlorobenzene	40.0	32.7		ug/Kg		82	79 - 120
Dichlorobromomethane	40.0	36.2		ug/Kg		91	75 - 123
Dichlorodifluoromethane	40.0	39.5		ug/Kg		99	26 - 149
1,1-Dichloroethane	40.0	35.8		ug/Kg		89	73 - 124
1,2-Dichloroethane	40.0	34.3		ug/Kg		86	64 - 140
1,1-Dichloroethene	40.0	35.7		ug/Kg		89	55 - 136
1,2-Dichloroethene, Total	80.0	72.0		ug/Kg		90	77 - 119
1,2-Dichloropropane	40.0	35.0		ug/Kg		87	77 - 119
1,4-Dioxane	800	730	J	ug/Kg		91	18 - 166
Ethylbenzene	40.0	34.3		ug/Kg		86	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-447681/17
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	39.1		ug/Kg		98	42 - 152
Isopropylbenzene	40.0	34.5		ug/Kg		86	70 - 125
Methyl acetate	80.0	78.0		ug/Kg		98	20 - 170
Methylcyclohexane	40.0	33.7		ug/Kg		84	70 - 125
Methylene Chloride	40.0	36.7		ug/Kg		92	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	33.6		ug/Kg		84	51 - 147
Methyl tert-butyl ether	40.0	32.9		ug/Kg		82	58 - 132
m-Xylene & p-Xylene	40.0	33.4		ug/Kg		83	77 - 120
o-Xylene	40.0	34.0		ug/Kg		85	78 - 118
Styrene	40.0	34.6		ug/Kg		87	80 - 120
1,1,2,2-Tetrachloroethane	40.0	31.8		ug/Kg		80	36 - 170
Tetrachloroethene	40.0	35.9		ug/Kg		90	71 - 121
Toluene	40.0	33.9		ug/Kg		85	76 - 120
trans-1,2-Dichloroethene	40.0	36.3		ug/Kg		91	75 - 122
trans-1,3-Dichloropropene	40.0	31.7		ug/Kg		79	68 - 133
1,2,3-Trichlorobenzene	40.0	32.3		ug/Kg		81	29 - 166
1,2,4-Trichlorobenzene	40.0	32.8		ug/Kg		82	22 - 170
1,1,1-Trichloroethane	40.0	34.8		ug/Kg		87	72 - 134
1,1,2-Trichloroethane	40.0	31.9		ug/Kg		80	66 - 128
Trichloroethene	40.0	36.0		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	40.8		ug/Kg		102	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	32.0		ug/Kg		80	59 - 135
Vinyl chloride	40.0	39.7		ug/Kg		99	64 - 134
Xylenes, Total	80.0	67.4		ug/Kg		84	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*89*		*67 - 134*

Lab Sample ID: LCSD 180-447681/18
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	36.8		ug/Kg		92	23 - 170	22	35
Benzene	40.0	34.7		ug/Kg		87	77 - 120	0	20
Bromoform	40.0	33.4		ug/Kg		83	37 - 147	2	23
Bromomethane	40.0	39.5		ug/Kg		99	47 - 149	6	25
2-Butanone (MEK)	40.0	32.8		ug/Kg		82	39 - 157	17	33
Carbon disulfide	40.0	35.2		ug/Kg		88	40 - 156	0	25
Carbon tetrachloride	40.0	34.6		ug/Kg		87	73 - 130	2	21
Chlorobenzene	40.0	33.0		ug/Kg		82	79 - 122	3	20
Chlorobromomethane	40.0	34.7		ug/Kg		87	64 - 128	1	20
Chlorodibromomethane	40.0	31.6		ug/Kg		79	60 - 134	4	40
Chloroethane	40.0	37.9		ug/Kg		95	37 - 159	0	25
Chloroform	40.0	36.9		ug/Kg		92	73 - 126	0	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-447681/18
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	44.7		ug/Kg		112	46 - 151	0	33
cis-1,2-Dichloroethene			40.0	34.8		ug/Kg		87	77 - 118	3	20
cis-1,3-Dichloropropene			40.0	30.9		ug/Kg		77	73 - 127	1	20
Cyclohexane			40.0	32.9		ug/Kg		82	63 - 143	1	25
1,2-Dibromo-3-Chloropropane			40.0	26.5		ug/Kg		66	30 - 163	5	34
1,2-Dibromoethane			40.0	31.8		ug/Kg		80	59 - 137	1	20
1,2-Dichlorobenzene			40.0	32.1		ug/Kg		80	76 - 120	3	20
1,3-Dichlorobenzene			40.0	32.7		ug/Kg		82	77 - 121	1	20
1,4-Dichlorobenzene			40.0	32.2		ug/Kg		80	79 - 120	2	20
Dichlorobromomethane			40.0	34.6		ug/Kg		86	75 - 123	5	20
Dichlorodifluoromethane			40.0	39.1		ug/Kg		98	26 - 149	1	24
1,1-Dichloroethane			40.0	35.3		ug/Kg		88	73 - 124	1	20
1,2-Dichloroethane			40.0	33.8		ug/Kg		84	64 - 140	2	20
1,1-Dichloroethene			40.0	35.9		ug/Kg		90	55 - 136	1	21
1,2-Dichloroethene, Total			80.0	69.6		ug/Kg		87	77 - 119	3	20
1,2-Dichloropropane			40.0	33.9		ug/Kg		85	77 - 119	3	20
1,4-Dioxane			800	625	J	ug/Kg		78	18 - 166	16	40
Ethylbenzene			40.0	33.3		ug/Kg		83	79 - 119	3	20
2-Hexanone			40.0	29.8		ug/Kg		75	42 - 152	27	30
Isopropylbenzene			40.0	33.5		ug/Kg		84	70 - 125	3	21
Methyl acetate			80.0	77.8		ug/Kg		97	20 - 170	0	33
Methylcyclohexane			40.0	33.5		ug/Kg		84	70 - 125	1	22
Methylene Chloride			40.0	35.3		ug/Kg		88	67 - 131	4	32
4-Methyl-2-pentanone (MIBK)			40.0	29.9		ug/Kg		75	51 - 147	12	27
Methyl tert-butyl ether			40.0	32.3		ug/Kg		81	58 - 132	2	24
m-Xylene & p-Xylene			40.0	32.1		ug/Kg		80	77 - 120	4	20
o-Xylene			40.0	32.5		ug/Kg		81	78 - 118	5	20
Styrene			40.0	33.2		ug/Kg		83	80 - 120	4	20
1,1,2,2-Tetrachloroethane			40.0	31.8		ug/Kg		80	36 - 170	0	23
Tetrachloroethene			40.0	35.7		ug/Kg		89	71 - 121	0	21
Toluene			40.0	33.1		ug/Kg		83	76 - 120	3	20
trans-1,2-Dichloroethene			40.0	34.8		ug/Kg		87	75 - 122	4	20
trans-1,3-Dichloropropene			40.0	31.1		ug/Kg		78	68 - 133	2	20
1,2,3-Trichlorobenzene			40.0	31.1		ug/Kg		78	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	31.7		ug/Kg		79	22 - 170	3	29
1,1,1-Trichloroethane			40.0	34.0		ug/Kg		85	72 - 134	3	20
1,1,2-Trichloroethane			40.0	31.1		ug/Kg		78	66 - 128	2	21
Trichloroethene			40.0	34.7		ug/Kg		87	69 - 118	4	20
Trichlorofluoromethane			40.0	40.4		ug/Kg		101	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	31.8		ug/Kg		80	59 - 135	1	28
Vinyl chloride			40.0	40.0		ug/Kg		100	64 - 134	1	23
Xylenes, Total			80.0	64.6		ug/Kg		81	78 - 118	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*60 - 124*
Dibromofluoromethane (Surr)	*99*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-447681/18
Matrix: Solid
Analysis Batch: 447681

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	92		67 - 134

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-448029/1-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Acenaphthylene	ND		67	15	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Acetophenone	ND		670	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Anthracene	ND		67	17	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Atrazine	ND		670	150	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzaldehyde	ND		670	41	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[a]anthracene	ND		67	30	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[a]pyrene	ND		67	29	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
1,1'-Biphenyl	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Caprolactam	ND		1700	220	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Carbazole	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Chloroaniline	ND		330	88	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Chloronaphthalene	ND		67	15	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Chlorophenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Chrysene	ND		67	37	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Dibenzofuran	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Diethyl phthalate	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Dimethyl phthalate	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
1,4-Dioxane	ND		670	100	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Fluoranthene	ND		67	18	ug/Kg		10/02/23 06:19	10/03/23 08:19	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448029/1-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachlorobenzene	ND		67	24	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachlorobutadiene	ND		67	20	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Hexachloroethane	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Isophorone	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Methylnaphthalene	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Methylphenol	ND		330	96	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Naphthalene	ND		67	13	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Nitroaniline	ND		1700	150	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
3-Nitroaniline	ND		1700	85	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Nitroaniline	ND		1700	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Nitrobenzene	ND		670	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2-Nitrophenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
4-Nitrophenol	ND		1700	230	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Pentachlorophenol	ND		1700	540	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Phenanthrene	ND		67	18	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Phenol	ND		330	100	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
Pyrene	ND		67	16	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		10/02/23 06:19	10/03/23 08:19	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		10/02/23 06:19	10/03/23 08:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
Terphenyl-d14 (Surr)	*72*		*39 - 105*	*10/02/23 06:19*	*10/03/23 08:19*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*10/02/23 06:19*	*10/03/23 08:19*	*1*

Lab Sample ID: LCS 180-448029/2-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4760		ug/Kg		71	50 - 100
Acenaphthylene	6670	5320		ug/Kg		80	52 - 100
Acetophenone	6670	5570		ug/Kg		84	48 - 100
Anthracene	6670	4890		ug/Kg		73	53 - 100
Atrazine	6670	4830		ug/Kg		72	49 - 103
Benzaldehyde	6670	6890		ug/Kg		103	23 - 105

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448029/2-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	5030		ug/Kg		75	51 - 100
Benzo[a]pyrene	6670	5270		ug/Kg		79	51 - 100
Benzo[b]fluoranthene	6670	4850		ug/Kg		73	48 - 100
Benzo[g,h,i]perylene	6670	4880		ug/Kg		73	48 - 105
Benzo[k]fluoranthene	6670	4620		ug/Kg		69	19 - 100
1,1'-Biphenyl	6670	4580		ug/Kg		69	50 - 100
Bis(2-chloroethoxy)methane	6670	4770		ug/Kg		71	49 - 100
Bis(2-chloroethyl)ether	6670	4480		ug/Kg		67	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5790		ug/Kg		87	53 - 107
4-Bromophenyl phenyl ether	6670	4460		ug/Kg		67	52 - 101
Butyl benzyl phthalate	6670	5700		ug/Kg		86	52 - 107
Caprolactam	6670	6450		ug/Kg		97	48 - 111
Carbazole	6670	5110		ug/Kg		77	53 - 100
4-Chloroaniline	6670	5220		ug/Kg		78	47 - 100
4-Chloro-3-methylphenol	6670	5690		ug/Kg		85	49 - 106
2-Chloronaphthalene	6670	4620		ug/Kg		69	51 - 100
2-Chlorophenol	6670	5290		ug/Kg		79	51 - 100
4-Chlorophenyl phenyl ether	6670	4960		ug/Kg		74	52 - 100
Chrysene	6670	5050		ug/Kg		76	50 - 100
Dibenz(a,h)anthracene	6670	5160		ug/Kg		77	50 - 107
Dibenzofuran	6670	4820		ug/Kg		72	52 - 100
3,3'-Dichlorobenzidine	6670	5560		ug/Kg		83	43 - 100
2,4-Dichlorophenol	6670	5200		ug/Kg		78	53 - 101
Diethyl phthalate	6670	5160		ug/Kg		77	48 - 104
2,4-Dimethylphenol	6670	4080		ug/Kg		61	51 - 101
Dimethyl phthalate	6670	4800		ug/Kg		72	53 - 100
Di-n-butyl phthalate	6670	5440		ug/Kg		82	57 - 102
4,6-Dinitro-2-methylphenol	13300	10300		ug/Kg		77	51 - 100
2,4-Dinitrophenol	13300	10800		ug/Kg		81	33 - 101
2,4-Dinitrotoluene	6670	5620		ug/Kg		84	54 - 104
2,6-Dinitrotoluene	6670	5320		ug/Kg		80	51 - 106
Di-n-octyl phthalate	6670	5500		ug/Kg		82	41 - 106
1,4-Dioxane	6670	4620		ug/Kg		69	25 - 125
Fluoranthene	6670	4930		ug/Kg		74	55 - 100
Fluorene	6670	5020		ug/Kg		75	52 - 100
Hexachlorobenzene	6670	4440		ug/Kg		67	49 - 100
Hexachlorobutadiene	6670	4850		ug/Kg		73	38 - 107
Hexachlorocyclopentadiene	6670	3200		ug/Kg		48	33 - 117
Hexachloroethane	6670	5130		ug/Kg		77	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5120		ug/Kg		77	51 - 103
Isophorone	6670	5510		ug/Kg		83	48 - 105
2-Methylnaphthalene	6670	5290		ug/Kg		79	53 - 100
2-Methylphenol	6670	5410		ug/Kg		81	50 - 101
Methylphenol, 3 & 4	6670	5600		ug/Kg		84	50 - 103
Naphthalene	6670	5140		ug/Kg		77	51 - 100
2-Nitroaniline	6670	5890		ug/Kg		88	42 - 123
3-Nitroaniline	6670	5710		ug/Kg		86	50 - 103
4-Nitroaniline	6670	5950		ug/Kg		89	52 - 103
Nitrobenzene	6670	5280		ug/Kg		79	44 - 108

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448029/2-A
Matrix: Solid
Analysis Batch: 448149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol	6670	5500		ug/Kg		82	55 - 107
4-Nitrophenol	13300	10400		ug/Kg		78	30 - 134
N-Nitrosodi-n-propylamine	6670	5760		ug/Kg		86	45 - 107
N-Nitrosodiphenylamine	6670	4640		ug/Kg		70	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5560		ug/Kg		83	30 - 113
Pentachlorophenol	13300	9190		ug/Kg		69	42 - 110
Phenanthrene	6670	4770		ug/Kg		72	53 - 100
Phenol	6670	5120		ug/Kg		77	49 - 100
Pyrene	6670	4870		ug/Kg		73	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4500		ug/Kg		67	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4910		ug/Kg		74	47 - 104
2,4,5-Trichlorophenol	6670	5010		ug/Kg		75	50 - 104
2,4,6-Trichlorophenol	6670	5010		ug/Kg		75	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*44 - 105*
2-Fluorophenol (Surr)	*71*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*79*		*46 - 105*
Terphenyl-d14 (Surr)	*70*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*65*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-448438/1-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1221	ND		17	5.9	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1232	ND		17	4.1	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1242	ND		17	2.4	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1248	ND		17	4.0	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1254	ND		17	5.0	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1260	ND		17	4.7	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1262	ND		17	5.9	ug/Kg		10/05/23 13:37	10/06/23 18:20	1
PCB-1268	ND		17	2.2	ug/Kg		10/05/23 13:37	10/06/23 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*130*		*63 - 138*	*10/05/23 13:37*	*10/06/23 18:20*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*10/05/23 13:37*	*10/06/23 18:20*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*10/05/23 13:37*	*10/06/23 18:20*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*10/05/23 13:37*	*10/06/23 18:20*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-448438/2-C
Matrix: Solid
Analysis Batch: 448481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448438

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1220		ug/Kg		91	43 - 136		
PCB-1260			1330	1170		ug/Kg		88	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*105*		*55 - 135*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-447792/1-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Antimony	ND		1.0	0.30	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Barium	ND		20	3.6	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Beryllium	ND		0.40	0.11	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Cadmium	ND		0.50	0.073	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Calcium	ND		500	65	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Chromium	ND		0.50	0.46	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Cobalt	ND		5.0	0.70	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Copper	ND		2.5	1.5	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Iron	ND		10	9.7	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Lead	ND		1.0	0.87	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Magnesium	ND		500	55	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Manganese	ND		1.5	0.28	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Nickel	ND		4.0	0.50	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Potassium	145	J	500	85	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Selenium	ND		1.0	0.46	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Silver	ND		0.50	0.10	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Sodium	ND		500	51	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Thallium	ND		2.0	0.28	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Vanadium	ND		5.0	0.79	mg/Kg		09/29/23 06:55	10/10/23 16:56	1
Zinc	ND		2.0	1.5	mg/Kg		09/29/23 06:55	10/10/23 16:56	1

Lab Sample ID: MB 180-447792/1-A
Matrix: Solid
Analysis Batch: 449387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.63	mg/Kg		09/29/23 06:55	10/16/23 13:06	1

Method: EPA 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-447792/2-A
Matrix: Solid
Analysis Batch: 448863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	520		mg/Kg		104	80 - 120
Antimony	25.0	27.3		mg/Kg		109	80 - 120
Barium	100	103		mg/Kg		103	80 - 120
Beryllium	50.0	54.0		mg/Kg		108	80 - 120
Cadmium	50.0	54.1		mg/Kg		108	80 - 120
Calcium	2500	2620		mg/Kg		105	80 - 120
Chromium	50.0	49.3		mg/Kg		99	80 - 120
Cobalt	50.0	49.2		mg/Kg		98	80 - 120
Copper	50.0	51.1		mg/Kg		102	80 - 120
Iron	500	541		mg/Kg		108	80 - 120
Lead	50.0	50.3		mg/Kg		101	80 - 120
Magnesium	2500	2590		mg/Kg		104	80 - 120
Manganese	50.0	51.1		mg/Kg		102	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Potassium	2500	2600		mg/Kg		104	80 - 120
Selenium	100	106		mg/Kg		106	80 - 120
Silver	25.0	24.5		mg/Kg		98	80 - 120
Sodium	2500	2610		mg/Kg		104	80 - 120
Thallium	100	99.6		mg/Kg		100	80 - 120
Vanadium	50.0	51.0		mg/Kg		102	80 - 120
Zinc	25.0	26.3		mg/Kg		105	80 - 120

Lab Sample ID: LCS 180-447792/2-A
Matrix: Solid
Analysis Batch: 449387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	102		mg/Kg		102	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-447703/1-A
Matrix: Solid
Analysis Batch: 447842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		09/27/23 10:15	09/28/23 12:59	1

Lab Sample ID: LCS 180-447703/2-A
Matrix: Solid
Analysis Batch: 447842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.393		mg/Kg		94	80 - 120

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Method: 2540G - SM 2540G

Lab Sample ID: 180-162987-1 DU
Client Sample ID: SSHS-ISMP-NAF-EL-S5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 447962

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.0			6.6	F3	%				28	10
Percent Solids	95.0			93.4		%				2	10

GC/MS VOA

Analysis Batch: 447681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 8260C	447711
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	EPA 8260C	447711
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 8260C	447711
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 8260C	447711
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	EPA 8260C	447711
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	EPA 8260C	447711
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	EPA 8260C	447711
MB 180-447681/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-447681/17	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-447681/18	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 447711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	5035	
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	5035	
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	5035	
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	5035	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	5035	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	5035	
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 448029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	3541	
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	3541	
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	3541	
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	3541	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	3541	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	3541	
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	3541	
MB 180-448029/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-448029/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 448149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 8270D	448029
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	EPA 8270D	448029
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 8270D	448029
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 8270D	448029
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	EPA 8270D	448029
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	EPA 8270D	448029
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	EPA 8270D	448029
MB 180-448029/1-A	Method Blank	Total/NA	Solid	EPA 8270D	448029
LCS 180-448029/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	448029

GC Semi VOA

Prep Batch: 448438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 448438 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	3541	
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	3541	
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	3541	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	3541	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	3541	
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	3541	
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 448481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 8082A	448485
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 8082A	448485
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 8082A	448485
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	EPA 8082A	448485
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	EPA 8082A	448485
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	EPA 8082A	448485
MB 180-448438/1-C	Method Blank	Total/NA	Solid	EPA 8082A	448485
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	448485

Cleanup Batch: 448484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	3665A	448438
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	3665A	448438
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	3665A	448438
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	3665A	448438
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	3665A	448438
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	3665A	448438
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	3665A	448438
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3665A	448438
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3665A	448438

Cleanup Batch: 448485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	3660B	448484
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	3660B	448484
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	3660B	448484
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	3660B	448484
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	3660B	448484
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	3660B	448484
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	3660B	448484
MB 180-448438/1-C	Method Blank	Total/NA	Solid	3660B	448484
LCS 180-448438/2-C	Lab Control Sample	Total/NA	Solid	3660B	448484

Analysis Batch: 448648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	EPA 8082A	448485

Metals

Prep Batch: 447703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	7471B	
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	7471B	
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	7471B	
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	7471B	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	7471B	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	7471B	
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	7471B	
MB 180-447703/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-447703/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 447792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	3050B	
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	3050B	
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	3050B	
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	3050B	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	3050B	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	3050B	
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	3050B	
MB 180-447792/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-447792/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 447842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 7471B	447703
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	EPA 7471B	447703
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 7471B	447703
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 7471B	447703
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	EPA 7471B	447703
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	EPA 7471B	447703
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	EPA 7471B	447703
MB 180-447703/1-A	Method Blank	Total/NA	Solid	EPA 7471B	447703
LCS 180-447703/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	447703

Analysis Batch: 448863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 6010C	447792
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	EPA 6010C	447792
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 6010C	447792
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 6010C	447792
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	EPA 6010C	447792
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	EPA 6010C	447792
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	EPA 6010C	447792
MB 180-447792/1-A	Method Blank	Total/NA	Solid	EPA 6010C	447792
LCS 180-447792/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	447792

Analysis Batch: 449294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 6010C	447792
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 6010C	447792
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 6010C	447792

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-162987-1
Project/Site: Former Sperry Remington-Documentation

Metals

Analysis Batch: 449387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	EPA 6010C	447792
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	EPA 6010C	447792
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	EPA 6010C	447792
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	EPA 6010C	447792
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	EPA 6010C	447792
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	EPA 6010C	447792
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	EPA 6010C	447792
MB 180-447792/1-A	Method Blank	Total/NA	Solid	EPA 6010C	447792
LCS 180-447792/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	447792

General Chemistry

Analysis Batch: 447962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-162987-1	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	2540G	
180-162987-2	SSHS-ISMP-NAF-EL-S6	Total/NA	Solid	2540G	
180-162987-3	SSHS-ISMP-NAF-EL-S7	Total/NA	Solid	2540G	
180-162987-4	SSHS-ISMP-NAF-EL-S8	Total/NA	Solid	2540G	
180-162987-5	SSHS-ISMP-NAF-EL-B3	Total/NA	Solid	2540G	
180-162987-6	SSHS-ISMP-DUP24A	Total/NA	Solid	2540G	
180-162987-7	SSHS-ISMP-NAF-EL-B4	Total/NA	Solid	2540G	
180-162987-1 DU	SSHS-ISMP-NAF-EL-S5	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044	PO #: MN0832I	
Phone: 40-381-4333	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-ISMP-NAF-EL-S5	9/25/23	1400	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-EL-S6	9/25/23	1405	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-EL-S7	9/25/23	1410	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-EL-S8	9/25/23	1415	G	S	N	N	X	X	X	X										6	
SSHS-ISMP-NAF-EL-B3	9/25/23	1420	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-DUP24A	9/25/23	-	G	S	N	N	X	X	X	X	X	X								8	
SSHS-ISMP-NAF-EL-B4	9/25/23	1425	G	S	N	N	X	X	X	X										6	

180-162987 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 9/25/23 17:15	Company: Geosyntec	Received by:	Date/Time: 9/26/23 0925	Company: EPTNE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	837.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-EL-S5	9/25/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-EL-S6	9/25/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S7	9/25/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-S8	9/25/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-EL-B3	9/25/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP24A	9/25/23	-	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-EL-B4	9/25/23	1425	G	S	N	N	X	X	X	X			6	

180-162987 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Zach Miller	Date/Time: 9/25/23 17:15	Company: Geosyntec	Received by:	Date/Time: 9/26/23 0905	Company FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☑ Yes ☐ No	Custody Seal No.: 2143148	Cooler Temperature(s) °C and Other Remarks: 1.4

Ver: 01/16/2019

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Sacramento
Sample Receiving Notes

180-162987 Field Sheet

Tracking # : 7734 9006 5300

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: W2 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 7163198

Cooler ID: _____

Temp Observed: 1.4 °C Corrected: 1.6 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JL Date: 9/26/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JL Date: 9.26.23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☒	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: JL Date: 9.26.23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-162987-1

Login Number: 162987
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 10/19/2023 9:19:23 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-163582-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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10/19/2023 9:19:23 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-163582-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-163582-2

Receipt
The samples were received on 1/10/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.3º C, 2.6º C and 4.1º C.

LCMS
Method 537 (modified): The transition mass ratio was outside of the established ratio limit for Perfluorohexanoic acid (PFHxA) in (CCVL 320-712673/5) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged data is in control in the low level continuing calibration verification (CCVL), there is no adverse impact to the data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-23
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Solid	10/09/23 15:00	10/10/23 09:30
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Solid	10/09/23 15:20	10/10/23 09:30
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Solid	10/09/23 15:40	10/10/23 09:30
180-163582-11	SSHS-ISMP-DUP26A	Solid	10/09/23 00:00	10/10/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.02 g	10.0 mL	712228	10/10/23 19:18	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	712863	10/13/23 11:35	C1P	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6
Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.17 g	10.0 mL	712228	10/10/23 19:18	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	712863	10/13/23 11:45	C1P	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10
Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	712228	10/10/23 19:18	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	712863	10/13/23 11:55	C1P	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	712228	10/10/23 19:18	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	712863	10/13/23 12:05	C1P	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

C1P = Chawaporn Photiboon

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.24	0.054	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.049	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorohexanoic acid (PFHxA)	**0.047**	**J**	0.24	0.037	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.045	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.063	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.026	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.057	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.050	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.044	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.045	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.034	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.058	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.051	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.062	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.039	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.027	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.057	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
6:2 FTS	ND		0.24	0.032	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1
8:2 FTS	ND		0.24	0.041	ug/Kg	☼	10/10/23 19:18	10/13/23 11:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C5 PFPeA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C2 PFHxA	*69*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C4 PFHpA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C4 PFOA	*68*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C5 PFNA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C2 PFDA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C2 PFUnA	*75*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C2 PFDoA	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C2 PFTeDA	*47*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C3 PFBS	*66*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
18O2 PFHxS	*64*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C4 PFOS	*62*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
13C8 FOSA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
M2-6:2 FTS	*61*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:35*	*1*

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6

Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.084**	**J**	0.22	0.051	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.046	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.035	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.043	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.059	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.025	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.034	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.043	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.22	0.048	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/10/23 19:18	10/13/23 11:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C5 PFPeA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C2 PFHxA	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C4 PFHpA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C4 PFOA	*78*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C5 PFNA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C2 PFDA	*78*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C2 PFUnA	*80*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C2 PFDoA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C2 PFTeDA	*64*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C3 PFBS	*64*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
18O2 PFHxS	*62*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C4 PFOS	*65*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
13C8 FOSA	*79*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
M2-6:2 FTS	*62*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:45*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10
Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.060**	**J**	0.24	0.056	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.050	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorohexanoic acid (PFHxA)	ND		0.24	0.038	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.046	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.064	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.027	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.058	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.051	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.045	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.046	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.059	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.079**	**J**	0.24	0.052	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.063	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.028	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.058	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
6:2 FTS	ND		0.24	0.033	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	10/10/23 19:18	10/13/23 11:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C5 PFPeA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C2 PFHxA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C4 PFHpA	*78*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C4 PFOA	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C5 PFNA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C2 PFDA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C2 PFUnA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C2 PFDoA	*68*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C2 PFTeDA	*69*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
18O2 PFHxS	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C4 PFOS	*66*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
13C8 FOSA	*77*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:55*	*1*

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11

Date Collected: 10/09/23 00:00
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 79.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.24	0.056	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.050	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorohexanoic acid (PFHxA)	ND		0.24	0.038	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluoroheptanoic acid (PFHpA)	ND		0.24	0.047	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorooctanoic acid (PFOA)	ND		0.24	0.065	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.027	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.059	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.051	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.037	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.026	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.045	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.047	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.060	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.053	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.064	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.028	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.059	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
6:2 FTS	ND		0.24	0.033	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1
8:2 FTS	ND		0.24	0.043	ug/Kg	☼	10/10/23 19:18	10/13/23 12:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C5 PFPeA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C2 PFHxA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C4 PFHpA	*76*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C4 PFOA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C5 PFNA	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C2 PFDA	*69*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C2 PFUnA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C2 PFDoA	*66*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C2 PFTeDA	*57*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C3 PFBS	*72*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
18O2 PFHxS	*74*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C4 PFOS	*66*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
13C8 FOSA	*83*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
d5-NEtFOSAA	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
M2-6:2 FTS	*76*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*10/10/23 19:18*	*10/13/23 12:05*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-712228/1-A
Matrix: Solid
Analysis Batch: 712863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712228

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/10/23 19:18	10/13/23 11:14	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/10/23 19:18	10/13/23 11:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*29*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C5 PFPeA	*65*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C2 PFHxA	*67*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C4 PFHpA	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C4 PFOA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C5 PFNA	*72*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C2 PFDA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C2 PFUnA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C2 PFDoA	*70*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C3 PFBS	*65*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
18O2 PFHxS	*65*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C4 PFOS	*71*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
13C8 FOSA	*80*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*10/10/23 19:18*	*10/13/23 11:14*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-712228/2-A
Matrix: Solid
Analysis Batch: 712863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.26		ug/Kg		113	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.99		ug/Kg		100	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.19		ug/Kg		109	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.14		ug/Kg		107	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.14		ug/Kg		107	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.20		ug/Kg		110	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.13		ug/Kg		106	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.12		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.17		ug/Kg		109	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.11		ug/Kg		106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.03		ug/Kg		101	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	2.12		ug/Kg		119	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.92		ug/Kg		105	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.14		ug/Kg		112	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.93		ug/Kg		104	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.87		ug/Kg		97	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.08		ug/Kg		104	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.01		ug/Kg		101	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.95		ug/Kg		98	72 - 132
6:2 FTS	1.90	1.95		ug/Kg		103	73 - 139
8:2 FTS	1.92	1.93		ug/Kg		101	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*34*		*25 - 150*
13C5 PFPeA	*71*		*25 - 150*
13C2 PFHxA	*73*		*25 - 150*
13C4 PFHpA	*75*		*25 - 150*
13C4 PFOA	*76*		*25 - 150*
13C5 PFNA	*74*		*25 - 150*
13C2 PFDA	*81*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*85*		*25 - 150*
13C2 PFTeDA	*85*		*25 - 150*
13C3 PFBS	*70*		*25 - 150*
18O2 PFHxS	*72*		*25 - 150*
13C4 PFOS	*73*		*25 - 150*
13C8 FOSA	*84*		*25 - 150*
d3-NMeFOSAA	*89*		*25 - 150*
d5-NEtFOSAA	*92*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-712228/2-A
Matrix: Solid
Analysis Batch: 712863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712228

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	99		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 712228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	SHAKE	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	SHAKE	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	SHAKE	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	SHAKE	
MB 320-712228/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-712228/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 712863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	537 (modified)	712228
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	537 (modified)	712228
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	537 (modified)	712228
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	537 (modified)	712228
MB 320-712228/1-A	Method Blank	Total/NA	Solid	537 (modified)	712228
LCS 320-712228/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	712228

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-LPA1-S1	10/9/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LPA1-S2	10/9/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA1-S3	10/9/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-DUP25A	10/9/23	-	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA1-S4	10/9/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA1-B1	10/9/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LPA2-S1	10/9/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA2-S2	10/9/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA2-S3	10/9/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA2-S4	10/9/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-DUP26A	10/9/23	-	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LPA2-B1	10/9/23	1545	G	S	N	Y	X	X	X	X									16	

180-163582 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	10/9/23 17:00	Geosyntec		10-10-23 0930	FedEx

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

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10/19/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-163582 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-LPA1-S1	10/9/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LPA1-S2	10/9/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA1-S3	10/9/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-DUP25A	10/9/23	-	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA1-S4	10/9/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA1-B1	10/9/23	1520	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LPA2-S1	10/9/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA2-S2	10/9/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA2-S3	10/9/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA2-S4	10/9/23	1540	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP26A	10/9/23	-	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LPA2-B1	10/9/23	1545	G	S	N	Y	X	X	X	X			16	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	10/9/23 17:00	Company: Geosyntec		10/10/23 910	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 2163160

Cooler Temperature(s) °C and Other Remarks: 4.1°C

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

180-163582 Field Sheet

Tracking # : 7736 7533 9188

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 2163160

Cooler ID: _____

Temp Observed: 4.1 °C Corrected: 4.1 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 10/10/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DM Date: 10/10/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: DM Date: 10/10/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163582-2

Login Number: 163582
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163582-2

Login Number: 163582
List Number: 2
Creator: Morazzini, Dominic S

List Source: Eurofins Sacramento
List Creation: 10/10/23 02:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2163160
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-163582-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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Job ID: 180-163582-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-163582-1

Receipt
The samples were received on 1/10/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.3º C, 2.6º C and 4.1º C.

GC/MS VOA
Method 8260C: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 180-448882 was above the control limits for the following analyte: 1,4-Dioxane. The recoveries were within the control limits.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-448882 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 1,4-Dioxane, and trans-1,3-Dichloropropene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-LPA2-B1 (180-163582-12) had the recoveries of Atrazine and Benzaldehyde below the control limits. The RPDs between the spikes and the recoveries of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-448994 was below criteria for the following analyte: 2-Nitroaniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The internal standard PCB-205 eluted outside the retention time window on one or both columns for the following samples: SSHS-ISMP-NAF-LPA1-S2 (180-163582-2), SSHS-ISMP-NAF-LPA1-S3 (180-163582-3), SSHS-ISMP-DUP25A (180-163582-4), SSHS-ISMP-NAF-LPA1-S4 (180-163582-5), SSHS-ISMP-NAF-LPA1-B1 (180-163582-6), SSHS-ISMP-NAF-LPA2-S1 (180-163582-7), SSHS-ISMP-NAF-LPA2-S2 (180-163582-8), SSHS-ISMP-NAF-LPA2-S3 (180-163582-9), SSHS-ISMP-NAF-LPA2-S4 (180-163582-10), and SSHS-ISMP-DUP26A (180-163582-11). This retention time shift was taken into account when reviewing the samples for aroclors.

Method 8082A: The internal standards 1-Bromo-2-nitrobenzene and PCB-205 eluted outside the retention time window on one or both columns for the method blank and laboratory control sample (MB 180-448834/1-A and LCS 180-448834/2-A). This retention time shift was taken into account when reviewing the samples for aroclors.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-ISMP-NAF-LPA2-B1 (180-163582-12) had the recoveries of barium and/or potassium outside of the control limits. The RPD between the spikes was also above the control limits for magnesium. The recoveries of the laboratory control sample were within the control limits.

Method 6010D: The RPD between the original and laboratory duplicate analysis of sample SSHS-ISMP-NAF-LPA2-B1 (180-163582-12) was above the control limits for several analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Job ID: 180-163582-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	10-18-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260C	5035	Solid	1,2-Dichloroethene, Total

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-24

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Solid	10/09/23 15:00	10/10/23 09:30
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Solid	10/09/23 15:05	10/10/23 09:30
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Solid	10/09/23 15:10	10/10/23 09:30
180-163582-4	SSHS-ISMP-DUP25A	Solid	10/09/23 00:00	10/10/23 09:30
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Solid	10/09/23 15:15	10/10/23 09:30
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Solid	10/09/23 15:20	10/10/23 09:30
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Solid	10/09/23 15:25	10/10/23 09:30
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Solid	10/09/23 15:30	10/10/23 09:30
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Solid	10/09/23 15:35	10/10/23 09:30
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Solid	10/09/23 15:40	10/10/23 09:30
180-163582-11	SSHS-ISMP-DUP26A	Solid	10/09/23 00:00	10/10/23 09:30
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Solid	10/09/23 15:45	10/10/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	ELLE
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	ELLE
3541	Automated Soxhlet Extraction	SW846	EET PIT
3660B	Sulfur Cleanup	SW846	EET PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0203 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 13:46	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 07:33	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 21:24	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.04 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 05:24	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.64 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2
Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2
Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 13:23	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 08:17	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2
Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 21:42	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.07 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 05:05	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.68 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:38	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3
Date Collected: 10/09/23 15:10
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3
Date Collected: 10/09/23 15:10
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1605 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 13:00	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 08:39	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 22:00	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.07 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:53	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.66 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:39	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3304 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 12:38	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 09:02	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.0 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 22:17	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.08 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:47	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.61 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:40	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5
Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5
Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1305 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 12:15	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 09:24	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5
Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 22:35	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.06 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:28	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.64 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:41	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6
Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6
Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1136 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 11:29	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 09:46	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 22:53	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.04 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:22	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.60 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:42	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7
Date Collected: 10/09/23 15:25
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7
Date Collected: 10/09/23 15:25
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4925 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 14:31	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 10:08	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.5 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 23:10	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.06 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:59	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.69 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:43	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8
Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8
Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.7925 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 14:53	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 10:30	VVP	EET PIT
	Instrument ID: CH722									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8
Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.2 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 23:28	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.08 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:09	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.69 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:44	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9
Date Collected: 10/09/23 15:35
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9
Date Collected: 10/09/23 15:35
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6217 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 15:16	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 10:52	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 23:46	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.03 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 03:51	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.63 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:48	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10
Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10
Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.5678 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 15:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 11:14	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/12/23 00:03	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.05 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 04:16	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.64 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:49	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3384 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 16:12	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 11:36	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/12/23 00:21	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.11 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 03:45	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.70 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12
Date Collected: 10/09/23 15:45
Matrix: Solid
Date Received: 10/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			448862	10/11/23 05:36	CRL	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12
Date Collected: 10/09/23 15:45
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3265 g	5 mL	448915	10/11/23 07:48	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	448882	10/11/23 11:52	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	448877	10/11/23 07:20	VJC	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	448994	10/12/23 06:05	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.3 g	20.0 mL	448834	10/10/23 15:52	DVC	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	448858	10/11/23 04:14	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	448859	10/11/23 04:15	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	448940	10/11/23 20:31	C1F	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			1.03 g	100 mL	431273	10/14/23 01:20	UAMX	ELLE
Total/NA	Analysis	6010D		1			433198	10/19/23 02:55	MT26	ELLE
	Instrument ID: T75 - 27278									
Total/NA	Prep	7471B			0.63 g	100 mL	448909	10/12/23 08:00	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			449186	10/13/23 10:51	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Analyst References:

Lab: EET PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - DVC = Daniel Capodanno
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VJC = Vincent Cervone
- Batch Type: Analysis
  - C1F = Courtney Fenk
  - CRL = Craig Tronzo
  - MTW = Michael Wesoloski
  - PJJ = Patrick Journet
  - VVP = Vincent Piccolino

Lab: ELLE

- Batch Type: Prep
  - UAMX = Annamaria Kuhns
- Batch Type: Analysis
  - MT26 = Jason Knight

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Benzene	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Chlorobromomethane	ND		5.9	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Chloroethane	ND		5.9	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Chloroform	ND		5.9	4.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,4-Dioxane	ND	*1	1200	90	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Methylcyclohexane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Styrene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Toluene	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Vinyl chloride	ND		5.9	4.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*10/11/23 07:48*	*10/11/23 13:46*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*10/11/23 07:48*	*10/11/23 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*10/11/23 07:48*	*10/11/23 13:46*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*10/11/23 07:48*	*10/11/23 13:46*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		78	22	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Acenaphthylene	ND		78	17	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Acetophenone	ND		780	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Anthracene	ND		78	20	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Atrazine	ND		780	170	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Benzaldehyde	ND		780	48	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Benzo[a]anthracene	**48**	**J**	78	35	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Benzo[a]pyrene	**57**	**J**	78	34	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Benzo[b]fluoranthene	**66**	**J**	78	19	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Benzo[g,h,i]perylene	**41**	**J**	78	17	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Benzo[k]fluoranthene	**28**	**J**	78	23	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Bis(2-chloroethyl)ether	ND		78	14	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4-Bromophenyl phenyl ether	ND		380	170	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Butyl benzyl phthalate	ND		380	270	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Caprolactam	ND		2000	250	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Carbazole	ND		78	18	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2-Chloronaphthalene	ND		78	18	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Chrysene	**65**	**J**	78	43	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Dibenz(a,h)anthracene	ND		78	50	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Dibenzofuran	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,4-Dichlorophenol	ND		78	30	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4,6-Dinitro-2-methylphenol	ND		2000	670	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1
Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Di-n-octyl phthalate	ND		380	230	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
1,4-Dioxane	ND		780	120	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Fluoranthene	**68**	**J**	78	21	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Fluorene	ND		78	15	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Hexachlorobenzene	ND		78	28	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Hexachlorobutadiene	ND		78	23	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Hexachlorocyclopentadiene	ND		380	40	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Hexachloroethane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Indeno[1,2,3-cd]pyrene	**43**	**J**	78	39	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Isophorone	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2-Methylnaphthalene	ND		78	19	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2-Methylphenol	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Naphthalene	ND		78	15	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
3-Nitroaniline	ND		2000	99	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Nitrobenzene	ND		780	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
N-Nitrosodi-n-propylamine	ND		78	26	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,2'-oxybis[1-chloropropane]	ND		78	29	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Phenanthrene	**32**	**J**	78	21	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Phenol	ND		380	120	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
Pyrene	**76**	**J**	78	18	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,4,5-Trichlorophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*10/11/23 07:20*	*10/12/23 07:33*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*10/11/23 07:20*	*10/12/23 07:33*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*10/11/23 07:20*	*10/12/23 07:33*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*10/11/23 07:20*	*10/12/23 07:33*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*10/11/23 07:20*	*10/12/23 07:33*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*34 - 108*	*10/11/23 07:20*	*10/12/23 07:33*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1221	ND		19	6.9	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1248	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1254	ND		19	5.8	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1260	ND		19	5.5	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S1
Lab Sample ID: 180-163582-1

Date Collected: 10/09/23 15:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 84.1

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1
PCB-1268	ND		19	2.6	ug/Kg	☼	10/10/23 15:52	10/11/23 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*123*		*63 - 138*	*10/10/23 15:52*	*10/11/23 21:24*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*10/10/23 15:52*	*10/11/23 21:24*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*10/10/23 15:52*	*10/11/23 21:24*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*10/10/23 15:52*	*10/11/23 21:24*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		23	10	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Antimony	ND		5.7	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Arsenic	**9.6**		3.4	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Barium	**140**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Beryllium	**0.58**		0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Cadmium	ND		0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Calcium	**980**		57	24	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Chromium	**15**		1.7	0.69	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Cobalt	**7.6**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Copper	**15**		2.3	0.88	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Iron	**21000**		23	9.1	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Lead	**19**		1.7	0.69	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Magnesium	**2500**		11	4.6	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Manganese	**770**		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Nickel	**16**		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Potassium	**1200**		57	23	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Selenium	ND		5.7	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Silver	ND		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Sodium	ND		110	46	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Thallium	ND		3.4	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Vanadium	**24**		1.1	0.49	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1
Zinc	**62**		2.3	0.91	mg/Kg	☼	10/14/23 01:20	10/19/23 05:24	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.068**		0.037	0.024	mg/Kg	☼	10/12/23 08:00	10/13/23 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.9**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**84.1**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2

Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Benzene	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2
Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Chloroform	ND		5.9	3.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Dichlorobromomethane	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,1-Dichloroethene	ND		5.9	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,4-Dioxane	ND	*1	1200	89	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Isopropylbenzene	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Methyl acetate	ND		29	8.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Styrene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Toluene	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Trichloroethene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2

Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1
Xylenes, Total	ND		12	8.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*60 - 124*	*10/11/23 07:48*	*10/11/23 13:23*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*10/11/23 07:48*	*10/11/23 13:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*10/11/23 07:48*	*10/11/23 13:23*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*10/11/23 07:48*	*10/11/23 13:23*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Acenaphthylene	ND		77	17	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Acetophenone	ND		770	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Anthracene	ND		77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Atrazine	ND		770	170	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Benzaldehyde	ND		770	48	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Benzo[a]anthracene	ND		77	35	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Benzo[g,h,i]perylene	ND		77	17	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Caprolactam	ND		2000	250	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Carbazole	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Chrysene	ND		77	43	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Dibenzofuran	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2
Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		770	120	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Fluoranthene	ND		77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Fluorene	ND		77	15	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Hexachloroethane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Isophorone	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2-Methylphenol	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Naphthalene	ND		77	15	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2-Nitroaniline	ND		2000	170	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Nitrobenzene	ND		770	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Phenanthrene	ND		77	21	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Phenol	ND		380	120	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
Pyrene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*10/11/23 07:20*	*10/12/23 08:17*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*10/11/23 07:20*	*10/12/23 08:17*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*10/11/23 07:20*	*10/12/23 08:17*	*1*
Phenol-d5 (Surr)	*88*		*46 - 105*	*10/11/23 07:20*	*10/12/23 08:17*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*10/11/23 07:20*	*10/12/23 08:17*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*10/11/23 07:20*	*10/12/23 08:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1221	ND		19	6.9	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1248	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1254	ND		19	5.8	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1260	ND		19	5.5	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1262	ND	*3	19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1
PCB-1268	ND	*3	19	2.6	ug/Kg	☼	10/10/23 15:52	10/11/23 21:42	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S2
Lab Sample ID: 180-163582-2

Date Collected: 10/09/23 15:05
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	108	*3	63 - 138	10/10/23 15:52	10/11/23 21:42	1
DCB Decachlorobiphenyl (Surr)	97		63 - 138	10/10/23 15:52	10/11/23 21:42	1
Tetrachloro-m-xylene (Surr)	86		55 - 135	10/10/23 15:52	10/11/23 21:42	1
Tetrachloro-m-xylene (Surr)	90		55 - 135	10/10/23 15:52	10/11/23 21:42	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		22	9.9	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Antimony	ND		5.5	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Arsenic	**8.2**		3.3	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Barium	**60**		0.55	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Beryllium	**0.53**	**J**	0.55	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Cadmium	ND		0.55	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Calcium	**1000**		55	23	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Chromium	**16**		1.6	0.66	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Cobalt	**8.8**		0.55	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Copper	**19**		2.2	0.84	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Iron	**24000**		22	8.8	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Lead	**11**		1.6	0.66	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Magnesium	**3200**		11	4.4	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Manganese	**400**		1.1	0.44	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Nickel	**19**		1.1	0.44	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Potassium	**1200**		55	22	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Selenium	ND		5.5	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Silver	ND		1.1	0.44	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Sodium	ND		110	44	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Thallium	ND		3.3	1.4	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Vanadium	**23**		1.1	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1
Zinc	**61**		2.2	0.88	mg/Kg	☼	10/14/23 01:20	10/19/23 05:05	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.034	0.022	mg/Kg	☼	10/12/23 08:00	10/13/23 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**14.7**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**85.3**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3

Date Collected: 10/09/23 15:10
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Benzene	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3
Date Collected: 10/09/23 15:10
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.0

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,4-Dioxane	ND	*1	1100	86	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Styrene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Toluene	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	10/11/23 07:48	10/11/23 13:00	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3

Date Collected: 10/09/23 15:10
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 85.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*10/11/23 07:48*	*10/11/23 13:00*	*1*
Dibromofluoromethane (Surr)	*95*		*69 - 126*	*10/11/23 07:48*	*10/11/23 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*10/11/23 07:48*	*10/11/23 13:00*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*10/11/23 07:48*	*10/11/23 13:00*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Acenaphthylene	ND		79	17	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Acetophenone	ND		790	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Anthracene	**20**	**J**	79	20	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Atrazine	ND		790	170	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Benzaldehyde	ND		790	49	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Benzo[a]anthracene	**59**	**J**	79	35	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Benzo[a]pyrene	**58**	**J**	79	34	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Benzo[b]fluoranthene	**58**	**J**	79	19	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Benzo[g,h,i]perylene	**33**	**J**	79	17	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Benzo[k]fluoranthene	**31**	**J**	79	24	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Caprolactam	ND		2000	260	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Carbazole	ND		79	18	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2-Chlorophenol	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Chrysene	**56**	**J**	79	44	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Dibenzofuran	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,4-Dimethylphenol	ND		390	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,4-Dinitrotoluene	ND		390	230	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Fluoranthene	**110**		79	21	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Fluorene	ND		79	15	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3

Date Collected: 10/09/23 15:10
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 85.0

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Hexachloroethane	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Indeno[1,2,3-cd]pyrene	ND		79	39	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Isophorone	ND		390	150	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2-Methylphenol	ND		390	110	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Naphthalene	ND		79	15	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Nitrobenzene	ND		790	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2-Nitrophenol	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Phenanthrene	**61**	**J**	79	21	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Phenol	ND		390	120	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
Pyrene	**98**		79	19	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	10/11/23 07:20	10/12/23 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*10/11/23 07:20*	*10/12/23 08:39*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*10/11/23 07:20*	*10/12/23 08:39*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 105*	*10/11/23 07:20*	*10/12/23 08:39*	*1*
Phenol-d5 (Surr)	*89*		*46 - 105*	*10/11/23 07:20*	*10/12/23 08:39*	*1*
Terphenyl-d14 (Surr)	*86*		*39 - 105*	*10/11/23 07:20*	*10/12/23 08:39*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*34 - 108*	*10/11/23 07:20*	*10/12/23 08:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1221	ND		19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1248	ND		19	4.6	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1254	ND		19	5.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1260	ND	*3	19	5.5	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1262	ND	*3	19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1
PCB-1268	ND	*3	19	2.6	ug/Kg	☼	10/10/23 15:52	10/11/23 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*	*3	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:00*	*1*
DCB Decachlorobiphenyl (Surr)	*82*	*3	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:00*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:00*	*1*

Client Sample ID: SSHS-ISMP-NAF-LPA1-S3
Lab Sample ID: 180-163582-3

Date Collected: 10/09/23 15:10
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.0

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:00*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		22	9.9	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Antimony	ND		5.5	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Arsenic	**11**		3.3	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Barium	**110**		0.55	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Beryllium	**0.52**	**J**	0.55	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Cadmium	ND		0.55	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Calcium	**2200**		55	23	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Chromium	**14**		1.6	0.66	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Cobalt	**7.0**		0.55	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Copper	**19**		2.2	0.85	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Iron	**19000**		22	8.8	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Lead	**36**		1.6	0.66	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Magnesium	**2500**		11	4.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Manganese	**570**		1.1	0.44	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Nickel	**16**		1.1	0.44	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Potassium	**1100**		55	22	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Selenium	ND		5.5	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Silver	ND		1.1	0.44	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Sodium	**49**	**J**	110	44	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Thallium	ND		3.3	1.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Vanadium	**21**		1.1	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1
Zinc	**69**		2.2	0.88	mg/Kg	☼	10/14/23 01:20	10/19/23 04:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.035	0.023	mg/Kg	☼	10/12/23 08:00	10/13/23 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**15.0**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**85.0**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4

Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Benzene	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,4-Dioxane	ND	*1	1100	82	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Styrene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Toluene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*10/11/23 07:48*	*10/11/23 12:38*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*10/11/23 07:48*	*10/11/23 12:38*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*10/11/23 07:48*	*10/11/23 12:38*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*10/11/23 07:48*	*10/11/23 12:38*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Acenaphthylene	ND		76	16	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Acetophenone	ND		760	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Anthracene	ND		76	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Atrazine	ND		760	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Benzaldehyde	ND		760	47	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Benzo[a]anthracene	ND		76	34	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Benzo[a]pyrene	ND		76	33	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Benzo[b]fluoranthene	**21**	**J**	76	19	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Benzo[g,h,i]perylene	ND		76	16	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Benzo[k]fluoranthene	ND		76	23	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Caprolactam	ND		1900	250	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Carbazole	ND		76	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Chrysene	ND		76	42	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Dibenzofuran	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Fluoranthene	**23**	**J**	76	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Fluorene	ND		76	15	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4

Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Isophorone	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2-Methylphenol	ND		370	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Naphthalene	ND		76	15	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Nitrobenzene	ND		760	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Phenanthrene	ND		76	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Phenol	ND		370	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
Pyrene	**21**	**J**	76	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*10/11/23 07:20*	*10/12/23 09:02*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*10/11/23 07:20*	*10/12/23 09:02*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*10/11/23 07:20*	*10/12/23 09:02*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*10/11/23 07:20*	*10/12/23 09:02*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*10/11/23 07:20*	*10/12/23 09:02*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*10/11/23 07:20*	*10/12/23 09:02*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1221	ND		19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1248	ND		19	4.6	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1254	ND		19	5.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1260	ND	*3	19	5.5	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1262	ND	*3	19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1
PCB-1268	ND	*3	19	2.6	ug/Kg	☼	10/10/23 15:52	10/11/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*95*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:17*	*1*
DCB Decachlorobiphenyl (Surr)	*83*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:17*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:17*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:17*	*1*

Client Sample ID: SSHS-ISMP-DUP25A
Lab Sample ID: 180-163582-4

Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		21	9.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Antimony	ND		5.3	1.8	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Arsenic	**7.0**		3.2	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Barium	**120**		0.53	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Beryllium	**0.50**	**J**	0.53	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Cadmium	ND		0.53	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Calcium	**2000**		53	22	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Chromium	**14**		1.6	0.64	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Cobalt	**6.8**		0.53	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Copper	**16**		2.1	0.82	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Iron	**19000**		21	8.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Lead	**23**		1.6	0.64	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Magnesium	**2500**		11	4.3	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Manganese	**590**		1.1	0.43	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Nickel	**16**		1.1	0.43	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Potassium	**1100**		53	22	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Selenium	ND		5.3	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Silver	ND		1.1	0.43	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Sodium	**51**	**J**	110	43	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Thallium	ND		3.2	1.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Vanadium	**22**		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1
Zinc	**62**		2.1	0.85	mg/Kg	☼	10/14/23 01:20	10/19/23 04:47	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.061**		0.037	0.024	mg/Kg	☼	10/12/23 08:00	10/13/23 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**13.2**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**86.8**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5

Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 91.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Benzene	ND		5.3	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Chlorodibromomethane	ND		5.3	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Chloroform	ND		5.3	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5
Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 91.1

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.3	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Dichlorodifluoromethane	ND		5.3	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,4-Dioxane	ND	*1	1100	81	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
o-Xylene	ND		5.3	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Styrene	ND		5.3	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Tetrachloroethene	ND		5.3	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Toluene	ND		5.3	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Vinyl chloride	ND		5.3	3.9	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	10/11/23 07:48	10/11/23 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*10/11/23 07:48*	*10/11/23 12:15*	*1*
Dibromofluoromethane (Surr)	*87*		*69 - 126*	*10/11/23 07:48*	*10/11/23 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*73 - 135*	*10/11/23 07:48*	*10/11/23 12:15*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*	*10/11/23 07:48*	*10/11/23 12:15*	*1*

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5

Date Collected: 10/09/23 15:15
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 91.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Acenaphthylene	**160**		74	16	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Acetophenone	ND		740	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Anthracene	**250**		74	19	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Atrazine	ND		740	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Benzaldehyde	ND		740	45	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Benzo[a]anthracene	**1000**		74	33	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Benzo[a]pyrene	**990**		74	32	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Benzo[b]fluoranthene	**1100**		74	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Benzo[g,h,i]perylene	**570**		74	16	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Benzo[k]fluoranthene	**450**		74	22	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Caprolactam	ND		1900	240	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Carbazole	**17**	**J**	74	17	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Chrysene	**940**		74	41	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Dibenz(a,h)anthracene	**140**		74	47	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Dibenzofuran	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Fluoranthene	**1700**		74	19	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Fluorene	**23**	**J**	74	14	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Hexachloroethane	ND		360	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Indeno[1,2,3-cd]pyrene	**520**		74	36	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Isophorone	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2-Methylphenol	ND		360	100	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4
Lab Sample ID: 180-163582-5
Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 91.1

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Naphthalene	**48**	**J**	74	14	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Nitrobenzene	ND		740	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Phenanthrene	**310**		74	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Phenol	ND		360	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
Pyrene	**1500**		74	17	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	10/11/23 07:20	10/12/23 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*10/11/23 07:20*	*10/12/23 09:24*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*10/11/23 07:20*	*10/12/23 09:24*	*1*
Nitrobenzene-d5 (Surr)	*79*		*46 - 105*	*10/11/23 07:20*	*10/12/23 09:24*	*1*
Phenol-d5 (Surr)	*84*		*46 - 105*	*10/11/23 07:20*	*10/12/23 09:24*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*10/11/23 07:20*	*10/12/23 09:24*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*34 - 108*	*10/11/23 07:20*	*10/12/23 09:24*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1221	ND		18	6.4	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1232	ND		18	4.4	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1242	ND		18	2.7	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1248	ND		18	4.4	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1254	ND		18	5.5	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1260	ND	*3	18	5.2	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1262	ND	*3	18	6.4	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1
PCB-1268	ND	*3	18	2.4	ug/Kg	☼	10/10/23 15:52	10/11/23 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:35*	*1*
DCB Decachlorobiphenyl (Surr)	*85*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*84*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:35*	*1*
Tetrachloro-m-xylene (Surr)	*87*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:35*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		21	9.3	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Antimony	ND		5.2	1.8	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-S4

Lab Sample ID: 180-163582-5
Date Collected: 10/09/23 15:15
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 91.1

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.7		3.1	1.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Barium	100		0.52	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Beryllium	0.54		0.52	0.10	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Cadmium	ND		0.52	0.10	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Calcium	3900		52	22	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Chromium	15		1.6	0.62	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Cobalt	9.0		0.52	0.15	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Copper	16		2.1	0.80	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Iron	24000		21	8.3	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Lead	19		1.6	0.62	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Magnesium	3300		10	4.1	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Manganese	620		1.0	0.41	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Nickel	20		1.0	0.41	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Potassium	1400		52	21	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Selenium	ND		5.2	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Silver	ND		1.0	0.41	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Sodium	ND		100	41	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Thallium	ND		3.1	1.3	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Vanadium	20		1.0	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1
Zinc	63		2.1	0.83	mg/Kg	☼	10/14/23 01:20	10/19/23 04:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.034	0.022	mg/Kg	☼	10/12/23 08:00	10/13/23 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.9		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	91.1		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1

Lab Sample ID: 180-163582-6
Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Benzene	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Chloromethane	ND		5.7	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6
Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2-Dibromoethane	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Dichlorobromomethane	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,4-Dioxane	ND	*1	1100	86	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Isopropylbenzene	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Styrene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Toluene	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
trans-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*60 - 124*	*10/11/23 07:48*	*10/11/23 11:29*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*10/11/23 07:48*	*10/11/23 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*73 - 135*	*10/11/23 07:48*	*10/11/23 11:29*	*1*
Toluene-d8 (Surr)	*74*		*67 - 134*	*10/11/23 07:48*	*10/11/23 11:29*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6

Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		76	17	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Acetophenone	ND		760	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Anthracene	ND		76	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Atrazine	ND		760	170	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Benzaldehyde	ND		760	47	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Benzo[a]anthracene	**51**	**J**	76	34	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Benzo[a]pyrene	**51**	**J**	76	33	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Benzo[b]fluoranthene	**55**	**J**	76	19	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Benzo[g,h,i]perylene	**38**	**J**	76	16	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Benzo[k]fluoranthene	**29**	**J**	76	23	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Caprolactam	ND		1900	250	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Carbazole	ND		76	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Chrysene	**50**	**J**	76	42	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Dibenzofuran	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Di-n-butyl phthalate	ND		370	170	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4,6-Dinitro-2-methylphenol	ND		1900	650	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,4-Dinitrotoluene	ND		370	230	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Fluoranthene	**81**		76	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Fluorene	ND		76	15	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Hexachloroethane	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Indeno[1,2,3-cd]pyrene	ND		76	38	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Isophorone	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2-Methylnaphthalene	ND		76	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2-Methylphenol	ND		370	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6
Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		76	15	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Nitrobenzene	ND		760	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Phenanthrene	**46**	**J**	76	20	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Phenol	ND		370	110	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
Pyrene	**79**		76	18	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	10/11/23 07:20	10/12/23 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*10/11/23 07:20*	*10/12/23 09:46*	*1*
2-Fluorophenol (Surr)	*77*		*48 - 105*	*10/11/23 07:20*	*10/12/23 09:46*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 105*	*10/11/23 07:20*	*10/12/23 09:46*	*1*
Phenol-d5 (Surr)	*79*		*46 - 105*	*10/11/23 07:20*	*10/12/23 09:46*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*10/11/23 07:20*	*10/12/23 09:46*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*34 - 108*	*10/11/23 07:20*	*10/12/23 09:46*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1221	ND		19	6.7	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1232	ND		19	4.6	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1248	ND		19	4.5	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1254	ND		19	5.7	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1260	ND	*3	19	5.4	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1262	ND	*3	19	6.6	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1
PCB-1268	ND	*3	19	2.5	ug/Kg	☼	10/10/23 15:52	10/11/23 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*105*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:53*	*1*
DCB Decachlorobiphenyl (Surr)	*94*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 22:53*	*1*
Tetrachloro-m-xylene (Surr)	*86*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:53*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*10/10/23 15:52*	*10/11/23 22:53*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		22	10	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Antimony	ND		5.6	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Arsenic	**9.7**		3.3	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1

Client Sample ID: SSHS-ISMP-NAF-LPA1-B1
Lab Sample ID: 180-163582-6

Date Collected: 10/09/23 15:20
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.4

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	100		0.56	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Beryllium	0.59		0.56	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Cadmium	ND		0.56	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Calcium	1900		56	23	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Chromium	17		1.7	0.67	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Cobalt	9.4		0.56	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Copper	28		2.2	0.86	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Iron	25000		22	8.9	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Lead	34		1.7	0.67	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Magnesium	3200		11	4.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Manganese	570		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Nickel	20		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Potassium	1600		56	23	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Selenium	ND		5.6	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Silver	ND		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Sodium	ND		110	45	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Thallium	ND		3.3	1.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Vanadium	25		1.1	0.48	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1
Zinc	78		2.2	0.89	mg/Kg	☼	10/14/23 01:20	10/19/23 04:22	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060		0.038	0.025	mg/Kg	☼	10/12/23 08:00	10/13/23 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.6		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	86.4		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7

Date Collected: 10/09/23 15:25
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Benzene	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7
Date Collected: 10/09/23 15:25
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.9

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,4-Dioxane	ND	*1	1100	86	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Styrene	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Toluene	ND		5.7	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	10/11/23 07:48	10/11/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*10/11/23 07:48*	*10/11/23 14:31*	*1*
Dibromofluoromethane (Surr)	*92*		*69 - 126*	*10/11/23 07:48*	*10/11/23 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*	*10/11/23 07:48*	*10/11/23 14:31*	*1*
Toluene-d8 (Surr)	*80*		*67 - 134*	*10/11/23 07:48*	*10/11/23 14:31*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Acenaphthylene	ND		83	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7
Date Collected: 10/09/23 15:25
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		830	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Anthracene	ND		83	21	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Atrazine	ND		830	180	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Benzaldehyde	ND		830	51	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Benzo[a]pyrene	ND		83	36	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Benzo[b]fluoranthene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Caprolactam	ND		2100	270	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Carbazole	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Chrysene	ND		83	46	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Dibenzofuran	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Fluoranthene	ND		83	22	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Fluorene	ND		83	16	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Hexachloroethane	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Isophorone	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2-Methylphenol	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Naphthalene	ND		83	16	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7

Date Collected: 10/09/23 15:25
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 79.9

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		2100	190	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Nitrobenzene	ND		830	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Phenanthrene	ND		83	22	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Phenol	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
Pyrene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*44 - 105*	*10/11/23 07:20*	*10/12/23 10:08*	*1*
2-Fluorophenol (Surr)	*82*		*48 - 105*	*10/11/23 07:20*	*10/12/23 10:08*	*1*
Nitrobenzene-d5 (Surr)	*78*		*46 - 105*	*10/11/23 07:20*	*10/12/23 10:08*	*1*
Phenol-d5 (Surr)	*83*		*46 - 105*	*10/11/23 07:20*	*10/12/23 10:08*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*10/11/23 07:20*	*10/12/23 10:08*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*34 - 108*	*10/11/23 07:20*	*10/12/23 10:08*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1221	ND		20	7.1	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1232	ND		20	4.9	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1242	ND		20	3.0	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1248	ND		20	4.8	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1254	ND		20	6.1	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1260	ND	*3	20	5.7	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1262	ND	*3	20	7.1	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1
PCB-1268	ND	*3	20	2.7	ug/Kg	☼	10/10/23 15:52	10/11/23 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 23:10*	*1*
DCB Decachlorobiphenyl (Surr)	*90*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 23:10*	*1*
Tetrachloro-m-xylene (Surr)	*89*		*55 - 135*	*10/10/23 15:52*	*10/11/23 23:10*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*10/10/23 15:52*	*10/11/23 23:10*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		24	11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Antimony	ND		5.9	2.0	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Arsenic	**4.1**		3.5	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Barium	**180**		0.59	0.18	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S1
Lab Sample ID: 180-163582-7

Date Collected: 10/09/23 15:25
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.9

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.44**	**J**	0.59	0.12	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Cadmium	ND		0.59	0.12	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Calcium	**2600**		59	25	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Chromium	**13**		1.8	0.71	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Cobalt	**5.3**		0.59	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Copper	**7.8**		2.4	0.91	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Iron	**16000**		24	9.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Lead	**9.7**		1.8	0.71	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Magnesium	**2000**		12	4.7	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Manganese	**860**		1.2	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Nickel	**12**		1.2	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Potassium	**840**		59	24	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Selenium	ND		5.9	1.8	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Silver	ND		1.2	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Sodium	ND		120	47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Thallium	ND		3.5	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Vanadium	**21**		1.2	0.51	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1
Zinc	**59**		2.4	0.94	mg/Kg	☼	10/14/23 01:20	10/19/23 04:59	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**	**J**	0.036	0.023	mg/Kg	☼	10/12/23 08:00	10/13/23 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**20.1**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**79.9**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8

Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 80.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Benzene	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Bromomethane	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
2-Butanone (MEK)	ND		27	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8
Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 80.6

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2-Dichloroethane	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,4-Dioxane	ND	*1	1100	81	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Methylene Chloride	ND		5.4	4.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Styrene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Toluene	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2,3-Trichlorobenzene	ND		11	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Trichlorofluoromethane	ND		5.4	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	10/11/23 07:48	10/11/23 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*10/11/23 07:48*	*10/11/23 14:53*	*1*
Dibromofluoromethane (Surr)	*94*		*69 - 126*	*10/11/23 07:48*	*10/11/23 14:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*10/11/23 07:48*	*10/11/23 14:53*	*1*
Toluene-d8 (Surr)	*88*		*67 - 134*	*10/11/23 07:48*	*10/11/23 14:53*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Acenaphthylene	ND		83	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Acetophenone	ND		830	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8
Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 80.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		83	21	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Atrazine	ND		830	180	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Benzaldehyde	ND		830	51	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Benzo[a]pyrene	ND		83	36	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Benzo[b]fluoranthene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Caprolactam	ND		2100	270	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Carbazole	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Chrysene	ND		83	46	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Dibenzofuran	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Fluoranthene	ND		83	22	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Fluorene	ND		83	16	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Hexachlorobenzene	ND		83	29	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Hexachloroethane	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Isophorone	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2-Methylphenol	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Naphthalene	ND		83	16	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8

Date Collected: 10/09/23 15:30
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 80.6

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		2100	100	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Nitrobenzene	ND		830	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,2'-oxybis[1-chloropropane]	ND		83	30	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Phenanthrene	ND		83	22	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Phenol	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
Pyrene	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*10/11/23 07:20*	*10/12/23 10:30*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*10/11/23 07:20*	*10/12/23 10:30*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*10/11/23 07:20*	*10/12/23 10:30*	*1*
Phenol-d5 (Surr)	*87*		*46 - 105*	*10/11/23 07:20*	*10/12/23 10:30*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*10/11/23 07:20*	*10/12/23 10:30*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*34 - 108*	*10/11/23 07:20*	*10/12/23 10:30*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1221	ND		20	7.2	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1232	ND		20	5.0	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1242	ND		20	3.0	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1248	ND		20	4.9	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1254	ND		20	6.1	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1260	ND	*3	20	5.8	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1262	ND	*3	20	7.2	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1
PCB-1268	ND	*3	20	2.7	ug/Kg	☼	10/10/23 15:52	10/11/23 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 23:28*	*1*
DCB Decachlorobiphenyl (Surr)	*87*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 23:28*	*1*
Tetrachloro-m-xylene (Surr)	*82*		*55 - 135*	*10/10/23 15:52*	*10/11/23 23:28*	*1*
Tetrachloro-m-xylene (Surr)	*88*		*55 - 135*	*10/10/23 15:52*	*10/11/23 23:28*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		23	10	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Antimony	ND		5.7	2.0	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Arsenic	**5.9**		3.4	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Barium	**160**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Beryllium	**0.48**	**J**	0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S2
Lab Sample ID: 180-163582-8
Date Collected: 10/09/23 15:30
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 80.6

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Calcium	**3300**		57	24	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Chromium	**15**		1.7	0.69	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Cobalt	**4.9**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Copper	**11**		2.3	0.88	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Iron	**17000**		23	9.2	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Lead	**16**		1.7	0.69	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Magnesium	**2200**		11	4.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Manganese	**540**		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Nickel	**13**		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Potassium	**960**		57	23	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Selenium	ND		5.7	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Silver	ND		1.1	0.46	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Sodium	**48**	**J**	110	46	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Thallium	ND		3.4	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Vanadium	**23**		1.1	0.49	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1
Zinc	**61**		2.3	0.92	mg/Kg	☼	10/14/23 01:20	10/19/23 04:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**	**J**	0.036	0.023	mg/Kg	☼	10/12/23 08:00	10/13/23 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**19.4**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**80.6**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9
Date Collected: 10/09/23 15:35
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		26	4.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Benzene	ND		5.2	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Bromoform	ND		5.2	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Bromomethane	ND		5.2	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
2-Butanone (MEK)	ND		26	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Carbon disulfide	ND		5.2	4.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Carbon tetrachloride	ND		5.2	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Chlorobenzene	ND		5.2	1.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Chlorobromomethane	ND		5.2	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Chlorodibromomethane	ND		5.2	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Chloroethane	ND		5.2	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Chloroform	ND		5.2	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Chloromethane	ND		5.2	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
cis-1,2-Dichloroethene	ND		5.2	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
cis-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Cyclohexane	ND		5.2	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2-Dibromo-3-Chloropropane	ND		5.2	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9

Date Collected: 10/09/23 15:35
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 85.8

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		5.2	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2-Dichlorobenzene	ND		5.2	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,3-Dichlorobenzene	ND		5.2	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,4-Dichlorobenzene	ND		5.2	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Dichlorobromomethane	ND		5.2	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Dichlorodifluoromethane	ND		5.2	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,1-Dichloroethane	ND		5.2	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2-Dichloroethane	ND		5.2	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,1-Dichloroethene	ND		5.2	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2-Dichloropropane	ND		5.2	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,4-Dioxane	ND	*1	1000	79	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Ethylbenzene	ND		5.2	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
2-Hexanone	ND		26	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Isopropylbenzene	ND		5.2	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Methyl acetate	ND		26	7.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Methylcyclohexane	ND		5.2	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Methylene Chloride	ND		5.2	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Methyl tert-butyl ether	ND		5.2	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
m-Xylene & p-Xylene	ND		5.2	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
o-Xylene	ND		5.2	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Styrene	ND		5.2	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,1,2,2-Tetrachloroethane	ND		5.2	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Tetrachloroethene	ND		5.2	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Toluene	ND		5.2	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
trans-1,2-Dichloroethene	ND		5.2	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
trans-1,3-Dichloropropene	ND		5.2	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,2,4-Trichlorobenzene	ND		5.2	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,1,1-Trichloroethane	ND		5.2	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,1,2-Trichloroethane	ND		5.2	1.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Trichloroethene	ND		5.2	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Trichlorofluoromethane	ND		5.2	4.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Vinyl chloride	ND		5.2	3.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1
Xylenes, Total	ND		10	7.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*10/11/23 07:48*	*10/11/23 15:16*	*1*
Dibromofluoromethane (Surr)	*96*		*69 - 126*	*10/11/23 07:48*	*10/11/23 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*	*10/11/23 07:48*	*10/11/23 15:16*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*10/11/23 07:48*	*10/11/23 15:16*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Acenaphthylene	ND		77	17	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Acetophenone	ND		770	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Anthracene	ND		77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9

Date Collected: 10/09/23 15:35
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 85.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		770	170	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Benzaldehyde	ND		770	47	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Benzo[a]anthracene	ND		77	34	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Benzo[a]pyrene	**37**	**J**	77	33	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Benzo[b]fluoranthene	**47**	**J**	77	19	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Benzo[g,h,i]perylene	**27**	**J**	77	16	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Caprolactam	ND		1900	250	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Carbazole	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2-Chloronaphthalene	ND		77	17	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Chrysene	**45**	**J**	77	42	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Dibenzofuran	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Fluoranthene	**44**	**J**	77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Fluorene	ND		77	15	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Hexachloroethane	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Isophorone	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2-Methylphenol	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Naphthalene	ND		77	15	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9
Date Collected: 10/09/23 15:35
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.8

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1900	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Nitrobenzene	ND		770	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Phenanthrene	**26**	**J**	77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Phenol	ND		380	120	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
Pyrene	**49**	**J**	77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*10/11/23 07:20*	*10/12/23 10:52*	*1*
2-Fluorophenol (Surr)	*67*		*48 - 105*	*10/11/23 07:20*	*10/12/23 10:52*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*10/11/23 07:20*	*10/12/23 10:52*	*1*
Phenol-d5 (Surr)	*71*		*46 - 105*	*10/11/23 07:20*	*10/12/23 10:52*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*10/11/23 07:20*	*10/12/23 10:52*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*	*10/11/23 07:20*	*10/12/23 10:52*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1221	ND		19	6.8	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1248	ND		19	4.6	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1254	ND		19	5.7	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1260	ND	*3	19	5.4	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1262	ND	*3	19	6.7	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1
PCB-1268	ND	*3	19	2.6	ug/Kg	☼	10/10/23 15:52	10/11/23 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*96*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 23:46*	*1*
DCB Decachlorobiphenyl (Surr)	*84*	*3*	*63 - 138*	*10/10/23 15:52*	*10/11/23 23:46*	*1*
Tetrachloro-m-xylene (Surr)	*77*		*55 - 135*	*10/10/23 15:52*	*10/11/23 23:46*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*10/10/23 15:52*	*10/11/23 23:46*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		23	10	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Antimony	ND		5.7	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Arsenic	**8.5**		3.4	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Barium	**150**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Beryllium	**0.46**	**J**	0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Cadmium	ND		0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S3
Lab Sample ID: 180-163582-9

Date Collected: 10/09/23 15:35
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 85.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	3400		57	24	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Chromium	14		1.7	0.68	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Cobalt	5.3		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Copper	14		2.3	0.87	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Iron	17000		23	9.0	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Lead	21		1.7	0.68	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Magnesium	2400		11	4.5	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Manganese	600		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Nickel	13		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Potassium	1100		57	23	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Selenium	ND		5.7	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Silver	ND		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Sodium	47	J	110	45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Thallium	ND		3.4	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Vanadium	22		1.1	0.49	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1
Zinc	61		2.3	0.90	mg/Kg	☼	10/14/23 01:20	10/19/23 03:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056		0.037	0.024	mg/Kg	☼	10/12/23 08:00	10/13/23 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	14.2		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	85.8		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10

Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Benzene	ND		5.5	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10
Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Dichlorodifluoromethane	ND		5.5	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,4-Dioxane	ND	*1	1100	84	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Styrene	ND		5.5	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Toluene	ND		5.5	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	10/11/23 07:48	10/11/23 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*10/11/23 07:48*	*10/11/23 15:39*	*1*
Dibromofluoromethane (Surr)	*102*		*69 - 126*	*10/11/23 07:48*	*10/11/23 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 135*	*10/11/23 07:48*	*10/11/23 15:39*	*1*
Toluene-d8 (Surr)	*87*		*67 - 134*	*10/11/23 07:48*	*10/11/23 15:39*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Acenaphthylene	ND		81	18	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Acetophenone	ND		810	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Anthracene	ND		81	21	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Atrazine	ND		810	180	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10
Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		810	50	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Benzo[a]anthracene	ND		81	37	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Benzo[a]pyrene	ND		81	35	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Benzo[b]fluoranthene	ND		81	20	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Benzo[g,h,i]perylene	ND		81	17	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Benzo[k]fluoranthene	ND		81	24	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Caprolactam	ND		2100	260	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Carbazole	ND		81	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2-Chloronaphthalene	ND		81	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Chrysene	ND		81	45	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Dibenz(a,h)anthracene	ND		81	52	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Dibenzofuran	ND		400	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,4-Dimethylphenol	ND		400	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4,6-Dinitro-2-methylphenol	ND		2100	700	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Fluoranthene	ND		81	21	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Fluorene	ND		81	16	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Hexachlorobutadiene	ND		81	24	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Hexachloroethane	ND		400	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Indeno[1,2,3-cd]pyrene	ND		81	40	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Isophorone	ND		400	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2-Methylnaphthalene	ND		81	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2-Methylphenol	ND		400	120	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Naphthalene	ND		81	16	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2-Nitroaniline	ND		2100	180	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10

Date Collected: 10/09/23 15:40
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 81.3

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		810	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
4-Nitrophenol	ND		2100	280	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Pentachlorophenol	ND		2100	650	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Phenanthrene	ND		81	22	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Phenol	ND		400	120	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
Pyrene	ND		81	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	10/11/23 07:20	10/12/23 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*10/11/23 07:20*	*10/12/23 11:14*	*1*
2-Fluorophenol (Surr)	*86*		*48 - 105*	*10/11/23 07:20*	*10/12/23 11:14*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*10/11/23 07:20*	*10/12/23 11:14*	*1*
Phenol-d5 (Surr)	*85*		*46 - 105*	*10/11/23 07:20*	*10/12/23 11:14*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*10/11/23 07:20*	*10/12/23 11:14*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*34 - 108*	*10/11/23 07:20*	*10/12/23 11:14*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1221	ND		20	7.1	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1232	ND		20	4.9	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1242	ND		20	2.9	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1248	ND		20	4.8	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1254	ND		20	6.0	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1260	ND	*3	20	5.7	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1262	ND	*3	20	7.1	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1
PCB-1268	ND	*3	20	2.7	ug/Kg	☼	10/10/23 15:52	10/12/23 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*	**3*	*63 - 138*	*10/10/23 15:52*	*10/12/23 00:03*	*1*
DCB Decachlorobiphenyl (Surr)	*84*	**3*	*63 - 138*	*10/10/23 15:52*	*10/12/23 00:03*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*10/10/23 15:52*	*10/12/23 00:03*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*10/10/23 15:52*	*10/12/23 00:03*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16000**		23	11	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Antimony	ND		5.9	2.0	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Arsenic	**5.7**		3.5	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Barium	**130**		0.59	0.18	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Beryllium	**0.50**	**J**	0.59	0.12	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Cadmium	ND		0.59	0.12	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Calcium	**1500**		59	25	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-S4
Lab Sample ID: 180-163582-10

Date Collected: 10/09/23 15:40
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 81.3

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	15		1.8	0.70	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Cobalt	7.7		0.59	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Copper	45		2.3	0.90	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Iron	22000		23	9.4	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Lead	12		1.8	0.70	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Magnesium	2900		12	4.7	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Manganese	500		1.2	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Nickel	21		1.2	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Potassium	960		59	24	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Selenium	ND		5.9	1.8	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Silver	ND		1.2	0.47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Sodium	ND		120	47	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Thallium	ND		3.5	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Vanadium	23		1.2	0.50	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1
Zinc	63		2.3	0.94	mg/Kg	☼	10/14/23 01:20	10/19/23 04:16	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	J	0.038	0.024	mg/Kg	☼	10/12/23 08:00	10/13/23 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.7		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	81.3		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11

Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.7	J	29	4.6	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Benzene	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Bromoform	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
2-Butanone (MEK)	ND		29	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Chlorobromomethane	ND		5.9	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Chloroethane	ND		5.9	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Chloroform	ND		5.9	3.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.9	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Dichlorobromomethane	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Dichlorodifluoromethane	ND		5.9	2.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,4-Dioxane	ND	*1	1200	89	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
2-Hexanone	ND		29	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Methyl acetate	ND		29	8.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Methylcyclohexane	ND		5.9	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Styrene	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Toluene	ND		5.9	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Trichlorofluoromethane	ND		5.9	4.9	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Vinyl chloride	ND		5.9	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	10/11/23 07:48	10/11/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*10/11/23 07:48*	*10/11/23 16:12*	*1*
Dibromofluoromethane (Surr)	*90*		*69 - 126*	*10/11/23 07:48*	*10/11/23 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*73 - 135*	*10/11/23 07:48*	*10/11/23 16:12*	*1*
Toluene-d8 (Surr)	*81*		*67 - 134*	*10/11/23 07:48*	*10/11/23 16:12*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Acenaphthylene	ND		83	18	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Acetophenone	ND		830	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Anthracene	ND		83	21	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Atrazine	ND		830	180	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Benzaldehyde	ND		830	51	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		83	37	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Benzo[a]pyrene	ND		83	36	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Benzo[b]fluoranthene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Benzo[g,h,i]perylene	ND		83	18	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Benzo[k]fluoranthene	ND		83	25	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Caprolactam	ND		2100	270	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Carbazole	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Chrysene	ND		83	46	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Dibenzofuran	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
1,4-Dioxane	ND		830	130	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Fluoranthene	ND		83	22	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Fluorene	ND		83	16	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Hexachlorobenzene	ND		83	29	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Hexachloroethane	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Indeno[1,2,3-cd]pyrene	ND		83	41	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Isophorone	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2-Methylnaphthalene	ND		83	20	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2-Methylphenol	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Naphthalene	ND		83	16	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Nitrobenzene	ND		830	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11

Date Collected: 10/09/23 00:00
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 79.5

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		410	150	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,2'-oxybis[1-chloropropane]	ND		83	30	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Phenanthrene	ND		83	22	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Phenol	ND		410	120	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
Pyrene	ND		83	19	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	10/11/23 07:20	10/12/23 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*44 - 105*	*10/11/23 07:20*	*10/12/23 11:36*	*1*
2-Fluorophenol (Surr)	*87*		*48 - 105*	*10/11/23 07:20*	*10/12/23 11:36*	*1*
Nitrobenzene-d5 (Surr)	*77*		*46 - 105*	*10/11/23 07:20*	*10/12/23 11:36*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*10/11/23 07:20*	*10/12/23 11:36*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*10/11/23 07:20*	*10/12/23 11:36*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*34 - 108*	*10/11/23 07:20*	*10/12/23 11:36*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1221	ND		21	7.4	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1232	ND		21	5.1	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1242	ND		21	3.1	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1248	ND		21	5.0	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1254	ND		21	6.3	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1260	ND	*3	21	5.9	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1262	ND	*3	21	7.3	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1
PCB-1268	ND	*3	21	2.8	ug/Kg	☼	10/10/23 15:52	10/12/23 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*	**3*	*63 - 138*	*10/10/23 15:52*	*10/12/23 00:21*	*1*
DCB Decachlorobiphenyl (Surr)	*91*	**3*	*63 - 138*	*10/10/23 15:52*	*10/12/23 00:21*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*10/10/23 15:52*	*10/12/23 00:21*	*1*
Tetrachloro-m-xylene (Surr)	*85*		*55 - 135*	*10/10/23 15:52*	*10/12/23 00:21*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		23	10	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Antimony	ND		5.7	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Arsenic	**5.0**		3.4	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Barium	**140**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Beryllium	**0.47**	**J**	0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Cadmium	ND		0.57	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Calcium	**2100**		57	24	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Chromium	**14**		1.7	0.68	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1

Client Sample ID: SSHS-ISMP-DUP26A
Lab Sample ID: 180-163582-11
Date Collected: 10/09/23 00:00
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 79.5

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**6.7**		0.57	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Copper	**19**		2.3	0.87	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Iron	**18000**		23	9.1	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Lead	**12**		1.7	0.68	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Magnesium	**2500**		11	4.5	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Manganese	**790**		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Nickel	**18**		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Potassium	**1200**		57	23	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Selenium	ND		5.7	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Silver	ND		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Sodium	ND		110	45	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Thallium	ND		3.4	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Vanadium	**21**		1.1	0.49	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1
Zinc	**59**		2.3	0.91	mg/Kg	☼	10/14/23 01:20	10/19/23 03:45	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.036	0.023	mg/Kg	☼	10/12/23 08:00	10/13/23 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**20.5**		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	**79.5**		0.1	0.1	%			10/11/23 05:36	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12
Date Collected: 10/09/23 15:45
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Benzene	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Carbon disulfide	ND		5.4	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,3-Dichlorobenzene	ND		5.4	3.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12
Date Collected: 10/09/23 15:45
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.2

Method: SW846 EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,4-Dioxane	ND	*1	1100	83	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Styrene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Toluene	ND		5.4	1.6	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	10/11/23 07:48	10/11/23 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*10/11/23 07:48*	*10/11/23 11:52*	*1*
Dibromofluoromethane (Surr)	*97*		*69 - 126*	*10/11/23 07:48*	*10/11/23 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*10/11/23 07:48*	*10/11/23 11:52*	*1*
Toluene-d8 (Surr)	*105*		*67 - 134*	*10/11/23 07:48*	*10/11/23 11:52*	*1*

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Acenaphthylene	ND		77	17	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Acetophenone	ND		770	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Anthracene	ND		77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Atrazine	ND	F1	770	170	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Benzaldehyde	ND	F1	770	47	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Benzo[a]anthracene	ND		77	34	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12
Date Collected: 10/09/23 15:45
Matrix: Solid
Date Received: 10/10/23 09:30
Percent Solids: 86.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		77	33	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Benzo[b]fluoranthene	ND		77	19	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Benzo[g,h,i]perylene	ND		77	16	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Benzo[k]fluoranthene	ND		77	23	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Caprolactam	ND		1900	250	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Carbazole	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Chrysene	ND		77	42	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Dibenzofuran	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,4-Dichlorophenol	ND		77	29	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
4,6-Dinitro-2-methylphenol	ND		1900	660	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Fluoranthene	ND		77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Fluorene	ND		77	15	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Hexachlorobenzene	ND		77	27	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Hexachlorobutadiene	ND		77	22	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Hexachloroethane	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Isophorone	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2-Methylphenol	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Naphthalene	ND		77	15	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Nitrobenzene	ND		770	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12

Date Collected: 10/09/23 15:45
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 86.2

Method: SW846 EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1900	270	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,2'-oxybis[1-chloropropane]	ND		77	28	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Phenanthrene	ND		77	20	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Phenol	ND		380	120	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
Pyrene	ND		77	18	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	10/11/23 07:20	10/12/23 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*44 - 105*	*10/11/23 07:20*	*10/12/23 06:05*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*10/11/23 07:20*	*10/12/23 06:05*	*1*
Nitrobenzene-d5 (Surr)	*81*		*46 - 105*	*10/11/23 07:20*	*10/12/23 06:05*	*1*
Phenol-d5 (Surr)	*84*		*46 - 105*	*10/11/23 07:20*	*10/12/23 06:05*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*10/11/23 07:20*	*10/12/23 06:05*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*34 - 108*	*10/11/23 07:20*	*10/12/23 06:05*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.2	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1221	ND		19	6.7	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1232	ND		19	4.6	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1248	ND		19	4.5	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1254	ND		19	5.7	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1260	ND		19	5.4	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1262	ND		19	6.7	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1
PCB-1268	ND		19	2.5	ug/Kg	☼	10/10/23 15:52	10/11/23 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*10/10/23 15:52*	*10/11/23 20:31*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*10/10/23 15:52*	*10/11/23 20:31*	*1*
Tetrachloro-m-xylene (Surr)	*94*		*55 - 135*	*10/10/23 15:52*	*10/11/23 20:31*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*10/10/23 15:52*	*10/11/23 20:31*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		23	10	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Antimony	ND		5.6	1.9	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Arsenic	**6.3**		3.4	1.6	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Barium	**130**	**F1**	0.56	0.17	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Beryllium	**0.47**	**J**	0.56	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Cadmium	ND		0.56	0.11	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Calcium	**3800**		56	24	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Chromium	**13**		1.7	0.68	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Cobalt	**6.4**		0.56	0.16	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Lab Sample ID: 180-163582-12

Date Collected: 10/09/23 15:45
Matrix: Solid

Date Received: 10/10/23 09:30
Percent Solids: 86.2

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	14		2.3	0.87	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Iron	19000		23	9.0	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Lead	14		1.7	0.68	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Magnesium	2400	F2	11	4.5	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Manganese	710		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Nickel	14		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Potassium	1100	F1	56	23	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Selenium	ND		5.6	1.7	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Silver	ND		1.1	0.45	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Sodium	53	J	110	45	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Thallium	ND		3.4	1.5	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Vanadium	20		1.1	0.48	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1
Zinc	56		2.3	0.90	mg/Kg	☼	10/14/23 01:20	10/19/23 02:55	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030	J	0.036	0.023	mg/Kg	☼	10/12/23 08:00	10/13/23 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.8		0.1	0.1	%			10/11/23 05:36	1
Percent Solids (SM22 2540G)	86.2		0.1	0.1	%			10/11/23 05:36	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-448882/7
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			10/11/23 11:06	1
Benzene	ND		5.0	1.4	ug/Kg			10/11/23 11:06	1
Bromoform	ND		5.0	2.5	ug/Kg			10/11/23 11:06	1
Bromomethane	ND		5.0	2.3	ug/Kg			10/11/23 11:06	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			10/11/23 11:06	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			10/11/23 11:06	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			10/11/23 11:06	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			10/11/23 11:06	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			10/11/23 11:06	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			10/11/23 11:06	1
Chloroethane	ND		5.0	2.9	ug/Kg			10/11/23 11:06	1
Chloroform	ND		5.0	3.4	ug/Kg			10/11/23 11:06	1
Chloromethane	ND		5.0	2.0	ug/Kg			10/11/23 11:06	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			10/11/23 11:06	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			10/11/23 11:06	1
Cyclohexane	ND		5.0	2.4	ug/Kg			10/11/23 11:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			10/11/23 11:06	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			10/11/23 11:06	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			10/11/23 11:06	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			10/11/23 11:06	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			10/11/23 11:06	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			10/11/23 11:06	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			10/11/23 11:06	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			10/11/23 11:06	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			10/11/23 11:06	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			10/11/23 11:06	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			10/11/23 11:06	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			10/11/23 11:06	1
1,4-Dioxane	ND		1000	76	ug/Kg			10/11/23 11:06	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			10/11/23 11:06	1
2-Hexanone	ND		25	1.6	ug/Kg			10/11/23 11:06	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			10/11/23 11:06	1
Methyl acetate	ND		25	7.4	ug/Kg			10/11/23 11:06	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			10/11/23 11:06	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			10/11/23 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			10/11/23 11:06	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			10/11/23 11:06	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			10/11/23 11:06	1
o-Xylene	ND		5.0	2.0	ug/Kg			10/11/23 11:06	1
Styrene	ND		5.0	1.5	ug/Kg			10/11/23 11:06	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			10/11/23 11:06	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			10/11/23 11:06	1
Toluene	ND		5.0	1.4	ug/Kg			10/11/23 11:06	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			10/11/23 11:06	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			10/11/23 11:06	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			10/11/23 11:06	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			10/11/23 11:06	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			10/11/23 11:06	1

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-448882/7
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			10/11/23 11:06	1
Trichloroethene	ND		5.0	1.6	ug/Kg			10/11/23 11:06	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			10/11/23 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			10/11/23 11:06	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			10/11/23 11:06	1
Xylenes, Total	ND		10	7.2	ug/Kg			10/11/23 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*		*10/11/23 11:06*	*1*
Dibromofluoromethane (Surr)	*93*		*69 - 126*		*10/11/23 11:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*73 - 135*		*10/11/23 11:06*	*1*
Toluene-d8 (Surr)	*78*		*67 - 134*		*10/11/23 11:06*	*1*

Lab Sample ID: LCS 180-448882/3
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	38.7		ug/Kg		97	23 - 170
Benzene	40.0	34.6		ug/Kg		86	77 - 120
Bromoform	40.0	34.9		ug/Kg		87	37 - 147
Bromomethane	40.0	37.3		ug/Kg		93	47 - 149
2-Butanone (MEK)	40.0	36.6		ug/Kg		92	39 - 157
Carbon disulfide	40.0	35.3		ug/Kg		88	40 - 156
Carbon tetrachloride	40.0	32.5		ug/Kg		81	73 - 130
Chlorobenzene	40.0	33.3		ug/Kg		83	79 - 122
Chlorobromomethane	40.0	34.6		ug/Kg		87	64 - 128
Chlorodibromomethane	40.0	33.1		ug/Kg		83	60 - 134
Chloroethane	40.0	36.1		ug/Kg		90	37 - 159
Chloroform	40.0	36.6		ug/Kg		92	73 - 126
Chloromethane	40.0	40.3		ug/Kg		101	46 - 151
cis-1,2-Dichloroethene	40.0	36.4		ug/Kg		91	77 - 118
cis-1,3-Dichloropropene	40.0	32.4		ug/Kg		81	73 - 127
Cyclohexane	40.0	35.4		ug/Kg		88	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	30.5		ug/Kg		76	30 - 163
1,2-Dibromoethane	40.0	33.0		ug/Kg		82	59 - 137
1,2-Dichlorobenzene	40.0	33.9		ug/Kg		85	76 - 120
1,3-Dichlorobenzene	40.0	34.8		ug/Kg		87	77 - 121
1,4-Dichlorobenzene	40.0	34.5		ug/Kg		86	79 - 120
Dichlorobromomethane	40.0	35.9		ug/Kg		90	75 - 123
Dichlorodifluoromethane	40.0	33.3		ug/Kg		83	26 - 149
1,1-Dichloroethane	40.0	36.0		ug/Kg		90	73 - 124
1,2-Dichloroethane	40.0	33.8		ug/Kg		85	64 - 140
1,1-Dichloroethene	40.0	35.8		ug/Kg		90	55 - 136
1,2-Dichloroethene, Total	80.0	72.3		ug/Kg		90	77 - 119
1,2-Dichloropropane	40.0	36.5		ug/Kg		91	77 - 119
1,4-Dioxane	800	544	J	ug/Kg		68	18 - 166
Ethylbenzene	40.0	33.7		ug/Kg		84	79 - 119

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-448882/3
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	38.0		ug/Kg		95	42 - 152
Isopropylbenzene	40.0	34.0		ug/Kg		85	70 - 125
Methyl acetate	80.0	88.4		ug/Kg		111	20 - 170
Methylcyclohexane	40.0	33.9		ug/Kg		85	70 - 125
Methylene Chloride	40.0	41.9		ug/Kg		105	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	35.6		ug/Kg		89	51 - 147
Methyl tert-butyl ether	40.0	35.2		ug/Kg		88	58 - 132
m-Xylene & p-Xylene	40.0	32.8		ug/Kg		82	77 - 120
o-Xylene	40.0	32.6		ug/Kg		81	78 - 118
Styrene	40.0	34.3		ug/Kg		86	80 - 120
1,1,2,2-Tetrachloroethane	40.0	32.8		ug/Kg		82	36 - 170
Tetrachloroethene	40.0	35.9		ug/Kg		90	71 - 121
Toluene	40.0	33.2		ug/Kg		83	76 - 120
trans-1,2-Dichloroethene	40.0	35.9		ug/Kg		90	75 - 122
trans-1,3-Dichloropropene	40.0	32.2		ug/Kg		81	68 - 133
1,2,3-Trichlorobenzene	40.0	35.1		ug/Kg		88	29 - 166
1,2,4-Trichlorobenzene	40.0	36.4		ug/Kg		91	22 - 170
1,1,1-Trichloroethane	40.0	34.2		ug/Kg		85	72 - 134
1,1,2-Trichloroethane	40.0	32.8		ug/Kg		82	66 - 128
Trichloroethene	40.0	35.8		ug/Kg		90	69 - 118
Trichlorofluoromethane	40.0	35.6		ug/Kg		89	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.6		ug/Kg		86	59 - 135
Vinyl chloride	40.0	35.9		ug/Kg		90	64 - 134
Xylenes, Total	80.0	65.4		ug/Kg		82	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*
Toluene-d8 (Surr)	*88*		*67 - 134*

Lab Sample ID: LCSD 180-448882/4
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	37.2		ug/Kg		93	23 - 170	4	35
Benzene	40.0	36.6		ug/Kg		91	77 - 120	6	20
Bromoform	40.0	40.9		ug/Kg		102	37 - 147	16	23
Bromomethane	40.0	37.4		ug/Kg		93	47 - 149	0	25
2-Butanone (MEK)	40.0	48.5		ug/Kg		121	39 - 157	28	33
Carbon disulfide	40.0	36.0		ug/Kg		90	40 - 156	2	25
Carbon tetrachloride	40.0	33.5		ug/Kg		84	73 - 130	3	21
Chlorobenzene	40.0	33.9		ug/Kg		85	79 - 122	2	20
Chlorobromomethane	40.0	37.4		ug/Kg		94	64 - 128	8	20
Chlorodibromomethane	40.0	35.2		ug/Kg		88	60 - 134	6	40
Chloroethane	40.0	35.3		ug/Kg		88	37 - 159	2	25
Chloroform	40.0	38.6		ug/Kg		96	73 - 126	5	20

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-448882/4
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	48.9		ug/Kg		122	46 - 151	19	33
cis-1,2-Dichloroethene			40.0	37.7		ug/Kg		94	77 - 118	4	20
cis-1,3-Dichloropropene			40.0	35.7		ug/Kg		89	73 - 127	10	20
Cyclohexane			40.0	36.0		ug/Kg		90	63 - 143	2	25
1,2-Dibromo-3-Chloropropane			40.0	35.3		ug/Kg		88	30 - 163	15	34
1,2-Dibromoethane			40.0	37.4		ug/Kg		94	59 - 137	13	20
1,2-Dichlorobenzene			40.0	36.5		ug/Kg		91	76 - 120	7	20
1,3-Dichlorobenzene			40.0	35.7		ug/Kg		89	77 - 121	2	20
1,4-Dichlorobenzene			40.0	35.8		ug/Kg		89	79 - 120	4	20
Dichlorobromomethane			40.0	39.1		ug/Kg		98	75 - 123	8	20
Dichlorodifluoromethane			40.0	35.3		ug/Kg		88	26 - 149	6	24
1,1-Dichloroethane			40.0	37.5		ug/Kg		94	73 - 124	4	20
1,2-Dichloroethane			40.0	37.4		ug/Kg		94	64 - 140	10	20
1,1-Dichloroethene			40.0	37.4		ug/Kg		93	55 - 136	4	21
1,2-Dichloroethene, Total			80.0	74.2		ug/Kg		93	77 - 119	3	20
1,2-Dichloropropane			40.0	40.1		ug/Kg		100	77 - 119	9	20
1,4-Dioxane			800	1020	*1	ug/Kg		128	18 - 166	61	40
Ethylbenzene			40.0	33.5		ug/Kg		84	79 - 119	1	20
2-Hexanone			40.0	43.5		ug/Kg		109	42 - 152	13	30
Isopropylbenzene			40.0	34.0		ug/Kg		85	70 - 125	0	21
Methyl acetate			80.0	102		ug/Kg		127	20 - 170	14	33
Methylcyclohexane			40.0	35.9		ug/Kg		90	70 - 125	6	22
Methylene Chloride			40.0	45.6		ug/Kg		114	67 - 131	8	32
4-Methyl-2-pentanone (MIBK)			40.0	41.3		ug/Kg		103	51 - 147	15	27
Methyl tert-butyl ether			40.0	39.3		ug/Kg		98	58 - 132	11	24
m-Xylene & p-Xylene			40.0	33.2		ug/Kg		83	77 - 120	1	20
o-Xylene			40.0	33.7		ug/Kg		84	78 - 118	3	20
Styrene			40.0	35.5		ug/Kg		89	80 - 120	3	20
1,1,2,2-Tetrachloroethane			40.0	38.7		ug/Kg		97	36 - 170	17	23
Tetrachloroethene			40.0	35.6		ug/Kg		89	71 - 121	1	21
Toluene			40.0	33.0		ug/Kg		83	76 - 120	1	20
trans-1,2-Dichloroethene			40.0	36.6		ug/Kg		91	75 - 122	2	20
trans-1,3-Dichloropropene			40.0	35.0		ug/Kg		87	68 - 133	8	20
1,2,3-Trichlorobenzene			40.0	39.8		ug/Kg		99	29 - 166	12	40
1,2,4-Trichlorobenzene			40.0	39.4		ug/Kg		98	22 - 170	8	29
1,1,1-Trichloroethane			40.0	35.3		ug/Kg		88	72 - 134	3	20
1,1,2-Trichloroethane			40.0	36.4		ug/Kg		91	66 - 128	10	21
Trichloroethene			40.0	36.3		ug/Kg		91	69 - 118	1	20
Trichlorofluoromethane			40.0	34.8		ug/Kg		87	32 - 149	2	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	34.7		ug/Kg		87	59 - 135	0	28
Vinyl chloride			40.0	38.2		ug/Kg		96	64 - 134	6	23
Xylenes, Total			80.0	66.9		ug/Kg		84	78 - 118	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 135*

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-448882/4
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*88*		*67 - 134*

Lab Sample ID: 180-163582-12 MS
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		44.3	53.8		ug/Kg	☼	121	23 - 170
Benzene	ND		44.3	39.8		ug/Kg	☼	90	77 - 120
Bromoform	ND		44.3	41.8		ug/Kg	☼	94	37 - 147
Bromomethane	ND		44.3	37.9		ug/Kg	☼	86	47 - 149
2-Butanone (MEK)	ND		44.3	40.3		ug/Kg	☼	91	39 - 157
Carbon disulfide	ND		44.3	37.9		ug/Kg	☼	86	40 - 156
Carbon tetrachloride	ND		44.3	38.6		ug/Kg	☼	87	73 - 130
Chlorobenzene	ND		44.3	37.5		ug/Kg	☼	85	79 - 122
Chlorobromomethane	ND		44.3	41.1		ug/Kg	☼	93	64 - 128
Chlorodibromomethane	ND		44.3	37.9		ug/Kg	☼	85	60 - 134
Chloroethane	ND		44.3	36.1		ug/Kg	☼	81	37 - 159
Chloroform	ND		44.3	42.4		ug/Kg	☼	96	73 - 126
Chloromethane	ND		44.3	44.6		ug/Kg	☼	101	46 - 151
cis-1,2-Dichloroethene	ND		44.3	41.0		ug/Kg	☼	93	77 - 118
cis-1,3-Dichloropropene	ND		44.3	39.8		ug/Kg	☼	90	73 - 127
Cyclohexane	ND		44.3	39.0		ug/Kg	☼	88	63 - 143
1,2-Dibromo-3-Chloropropane	ND		44.3	35.5		ug/Kg	☼	80	30 - 163
1,2-Dibromoethane	ND		44.3	39.2		ug/Kg	☼	89	59 - 137
1,2-Dichlorobenzene	ND		44.3	37.8		ug/Kg	☼	85	76 - 120
1,3-Dichlorobenzene	ND		44.3	38.1		ug/Kg	☼	86	77 - 121
1,4-Dichlorobenzene	ND		44.3	38.2		ug/Kg	☼	86	79 - 120
Dichlorobromomethane	ND		44.3	41.1		ug/Kg	☼	93	75 - 123
Dichlorodifluoromethane	ND		44.3	45.0		ug/Kg	☼	102	26 - 149
1,1-Dichloroethane	ND		44.3	41.3		ug/Kg	☼	93	73 - 124
1,2-Dichloroethane	ND		44.3	40.7		ug/Kg	☼	92	64 - 140
1,1-Dichloroethene	ND		44.3	38.0		ug/Kg	☼	86	55 - 136
1,2-Dichloroethene, Total	ND		88.6	81.8		ug/Kg	☼	92	77 - 119
1,2-Dichloropropane	ND		44.3	41.3		ug/Kg	☼	93	77 - 119
1,4-Dioxane	ND	*1	886	802	J	ug/Kg	☼	91	18 - 166
Ethylbenzene	ND		44.3	38.5		ug/Kg	☼	87	79 - 119
2-Hexanone	ND		44.3	48.5		ug/Kg	☼	109	42 - 152
Isopropylbenzene	ND		44.3	38.6		ug/Kg	☼	87	70 - 125
Methyl acetate	ND		88.6	101		ug/Kg	☼	114	20 - 170
Methylcyclohexane	ND		44.3	39.9		ug/Kg	☼	90	70 - 125
Methylene Chloride	ND		44.3	42.6		ug/Kg	☼	96	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		44.3	40.7		ug/Kg	☼	92	51 - 147
Methyl tert-butyl ether	ND		44.3	40.6		ug/Kg	☼	92	58 - 132
m-Xylene & p-Xylene	ND		44.3	38.5		ug/Kg	☼	87	77 - 120
o-Xylene	ND		44.3	38.2		ug/Kg	☼	86	78 - 118
Styrene	ND		44.3	38.7		ug/Kg	☼	87	80 - 120
1,1,2,2-Tetrachloroethane	ND		44.3	38.0		ug/Kg	☼	86	36 - 170

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-163582-12 MS
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		44.3	41.2		ug/Kg	☼	93	71 - 121
Toluene	ND		44.3	38.5		ug/Kg	☼	87	76 - 120
trans-1,2-Dichloroethene	ND		44.3	40.8		ug/Kg	☼	92	75 - 122
trans-1,3-Dichloropropene	ND		44.3	36.9		ug/Kg	☼	83	68 - 133
1,2,3-Trichlorobenzene	ND		44.3	39.3		ug/Kg	☼	89	29 - 166
1,2,4-Trichlorobenzene	ND		44.3	39.0		ug/Kg	☼	88	22 - 170
1,1,1-Trichloroethane	ND		44.3	39.5		ug/Kg	☼	89	72 - 134
1,1,2-Trichloroethane	ND		44.3	37.2		ug/Kg	☼	84	66 - 128
Trichloroethene	ND		44.3	40.1		ug/Kg	☼	91	69 - 118
Trichlorofluoromethane	ND		44.3	38.4		ug/Kg	☼	87	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		44.3	39.0		ug/Kg	☼	88	59 - 135
Vinyl chloride	ND		44.3	39.4		ug/Kg	☼	89	64 - 134
Xylenes, Total	ND		88.6	76.7		ug/Kg	☼	87	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*
Dibromofluoromethane (Surr)	*97*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 135*
Toluene-d8 (Surr)	*88*		*67 - 134*

Lab Sample ID: 180-163582-12 MSD
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		43.5	55.1		ug/Kg	☼	127	23 - 170	2	35
Benzene	ND		43.5	39.9		ug/Kg	☼	92	77 - 120	0	20
Bromoform	ND		43.5	38.8		ug/Kg	☼	89	37 - 147	7	23
Bromomethane	ND		43.5	39.2		ug/Kg	☼	90	47 - 149	3	25
2-Butanone (MEK)	ND		43.5	39.1		ug/Kg	☼	90	39 - 157	3	33
Carbon disulfide	ND		43.5	38.5		ug/Kg	☼	89	40 - 156	2	25
Carbon tetrachloride	ND		43.5	39.9		ug/Kg	☼	92	73 - 130	3	21
Chlorobenzene	ND		43.5	38.9		ug/Kg	☼	89	79 - 122	4	20
Chlorobromomethane	ND		43.5	39.8		ug/Kg	☼	91	64 - 128	3	20
Chlorodibromomethane	ND		43.5	36.6		ug/Kg	☼	84	60 - 134	3	40
Chloroethane	ND		43.5	36.4		ug/Kg	☼	84	37 - 159	1	25
Chloroform	ND		43.5	42.2		ug/Kg	☼	97	73 - 126	1	20
Chloromethane	ND		43.5	54.1		ug/Kg	☼	124	46 - 151	19	33
cis-1,2-Dichloroethene	ND		43.5	41.4		ug/Kg	☼	95	77 - 118	1	20
cis-1,3-Dichloropropene	ND		43.5	38.7		ug/Kg	☼	89	73 - 127	3	20
Cyclohexane	ND		43.5	39.5		ug/Kg	☼	91	63 - 143	1	25
1,2-Dibromo-3-Chloropropane	ND		43.5	32.3		ug/Kg	☼	74	30 - 163	9	34
1,2-Dibromoethane	ND		43.5	37.4		ug/Kg	☼	86	59 - 137	5	20
1,2-Dichlorobenzene	ND		43.5	38.3		ug/Kg	☼	88	76 - 120	1	20
1,3-Dichlorobenzene	ND		43.5	39.8		ug/Kg	☼	92	77 - 121	4	20
1,4-Dichlorobenzene	ND		43.5	38.7		ug/Kg	☼	89	79 - 120	1	20
Dichlorobromomethane	ND		43.5	40.2		ug/Kg	☼	92	75 - 123	2	20
Dichlorodifluoromethane	ND		43.5	46.4		ug/Kg	☼	107	26 - 149	3	24

Method: EPA 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-163582-12 MSD
Matrix: Solid
Analysis Batch: 448882

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		43.5	41.5		ug/Kg	☼	95	73 - 124	0	20
1,2-Dichloroethane	ND		43.5	38.5		ug/Kg	☼	89	64 - 140	6	20
1,1-Dichloroethene	ND		43.5	38.2		ug/Kg	☼	88	55 - 136	1	21
1,2-Dichloroethene, Total	ND		87.0	83.2		ug/Kg	☼	96	77 - 119	2	20
1,2-Dichloropropane	ND		43.5	40.9		ug/Kg	☼	94	77 - 119	1	20
1,4-Dioxane	ND	*1	870	603	J	ug/Kg	☼	69	18 - 166	28	40
Ethylbenzene	ND		43.5	39.9		ug/Kg	☼	92	79 - 119	3	20
2-Hexanone	ND		43.5	44.1		ug/Kg	☼	101	42 - 152	10	30
Isopropylbenzene	ND		43.5	39.9		ug/Kg	☼	92	70 - 125	3	21
Methyl acetate	ND		87.0	91.1		ug/Kg	☼	105	20 - 170	10	33
Methylcyclohexane	ND		43.5	38.9		ug/Kg	☼	89	70 - 125	3	22
Methylene Chloride	ND		43.5	40.0		ug/Kg	☼	92	67 - 131	6	32
4-Methyl-2-pentanone (MIBK)	ND		43.5	37.8		ug/Kg	☼	87	51 - 147	7	27
Methyl tert-butyl ether	ND		43.5	37.8		ug/Kg	☼	87	58 - 132	7	24
m-Xylene & p-Xylene	ND		43.5	39.5		ug/Kg	☼	91	77 - 120	3	20
o-Xylene	ND		43.5	39.4		ug/Kg	☼	91	78 - 118	3	20
Styrene	ND		43.5	39.2		ug/Kg	☼	90	80 - 120	1	20
1,1,2,2-Tetrachloroethane	ND		43.5	35.6		ug/Kg	☼	82	36 - 170	6	23
Tetrachloroethene	ND		43.5	42.3		ug/Kg	☼	97	71 - 121	3	21
Toluene	ND		43.5	39.0		ug/Kg	☼	90	76 - 120	1	20
trans-1,2-Dichloroethene	ND		43.5	41.7		ug/Kg	☼	96	75 - 122	2	20
trans-1,3-Dichloropropene	ND		43.5	35.6		ug/Kg	☼	82	68 - 133	4	20
1,2,3-Trichlorobenzene	ND		43.5	40.1		ug/Kg	☼	92	29 - 166	2	40
1,2,4-Trichlorobenzene	ND		43.5	40.1		ug/Kg	☼	92	22 - 170	3	29
1,1,1-Trichloroethane	ND		43.5	38.7		ug/Kg	☼	89	72 - 134	2	20
1,1,2-Trichloroethane	ND		43.5	36.6		ug/Kg	☼	84	66 - 128	2	21
Trichloroethene	ND		43.5	40.4		ug/Kg	☼	93	69 - 118	1	20
Trichlorofluoromethane	ND		43.5	38.5		ug/Kg	☼	88	32 - 149	0	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		43.5	39.4		ug/Kg	☼	90	59 - 135	1	28
Vinyl chloride	ND		43.5	41.8		ug/Kg	☼	96	64 - 134	6	23
Xylenes, Total	ND		87.0	78.9		ug/Kg	☼	91	78 - 118	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*104*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-448877/1-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Acenaphthylene	ND		67	15	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Acetophenone	ND		670	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1

Client: Geosyntec Consultants Inc
Job ID: 180-163582-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448877/1-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Atrazine	ND		670	150	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Benzaldehyde	ND		670	41	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Benzo[a]anthracene	ND		67	30	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Benzo[a]pyrene	ND		67	29	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
1,1'-Biphenyl	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Caprolactam	ND		1700	220	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Carbazole	ND		67	16	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4-Chloroaniline	ND		330	88	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2-Chloronaphthalene	ND		67	15	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2-Chlorophenol	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Chrysene	ND		67	37	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Dibenzofuran	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Diethyl phthalate	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Dimethyl phthalate	ND		330	130	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
1,4-Dioxane	ND		670	100	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Fluoranthene	ND		67	18	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Fluorene	ND		67	13	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Hexachlorobenzene	ND		67	24	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Hexachlorobutadiene	ND		67	20	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Hexachloroethane	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Isophorone	ND		330	130	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2-Methylnaphthalene	ND		67	16	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2-Methylphenol	ND		330	96	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Naphthalene	ND		67	13	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2-Nitroaniline	ND		1700	150	ug/Kg		10/11/23 07:20	10/12/23 03:53	1

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448877/1-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4-Nitroaniline	ND		1700	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Nitrobenzene	ND		670	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2-Nitrophenol	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
4-Nitrophenol	ND		1700	230	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Pentachlorophenol	ND		1700	540	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Phenanthrene	ND		67	18	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Phenol	ND		330	100	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
Pyrene	ND		67	16	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		10/11/23 07:20	10/12/23 03:53	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		10/11/23 07:20	10/12/23 03:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*44 - 105*	*10/11/23 07:20*	*10/12/23 03:53*	*1*
2-Fluorophenol (Surr)	*69*		*48 - 105*	*10/11/23 07:20*	*10/12/23 03:53*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 105*	*10/11/23 07:20*	*10/12/23 03:53*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*10/11/23 07:20*	*10/12/23 03:53*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*10/11/23 07:20*	*10/12/23 03:53*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*	*10/11/23 07:20*	*10/12/23 03:53*	*1*

Lab Sample ID: LCS 180-448877/2-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4600		ug/Kg		69	50 - 100
Acenaphthylene	6670	4720		ug/Kg		71	52 - 100
Acetophenone	6670	4650		ug/Kg		70	48 - 100
Anthracene	6670	4490		ug/Kg		67	53 - 100
Atrazine	6670	4650		ug/Kg		70	49 - 103
Benzaldehyde	6670	5030		ug/Kg		75	23 - 105
Benzo[a]anthracene	6670	4450		ug/Kg		67	51 - 100
Benzo[a]pyrene	6670	4780		ug/Kg		72	51 - 100
Benzo[b]fluoranthene	6670	4420		ug/Kg		66	48 - 100
Benzo[g,h,i]perylene	6670	4310		ug/Kg		65	48 - 105
Benzo[k]fluoranthene	6670	4600		ug/Kg		69	19 - 100
1,1'-Biphenyl	6670	4700		ug/Kg		71	50 - 100
Bis(2-chloroethoxy)methane	6670	4240		ug/Kg		64	49 - 100
Bis(2-chloroethyl)ether	6670	4370		ug/Kg		66	48 - 100
Bis(2-ethylhexyl) phthalate	6670	4150		ug/Kg		62	53 - 107
4-Bromophenyl phenyl ether	6670	4810		ug/Kg		72	52 - 101
Butyl benzyl phthalate	6670	4010		ug/Kg		60	52 - 107
Caprolactam	6670	4230		ug/Kg		63	48 - 111

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448877/2-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4360		ug/Kg		65	53 - 100
4-Chloroaniline	6670	4360		ug/Kg		65	47 - 100
4-Chloro-3-methylphenol	6670	4550		ug/Kg		68	49 - 106
2-Chloronaphthalene	6670	4830		ug/Kg		72	51 - 100
2-Chlorophenol	6670	4790		ug/Kg		72	51 - 100
4-Chlorophenyl phenyl ether	6670	4640		ug/Kg		70	52 - 100
Chrysene	6670	4700		ug/Kg		71	50 - 100
Dibenz(a,h)anthracene	6670	4540		ug/Kg		68	50 - 107
Dibenzofuran	6670	4500		ug/Kg		67	52 - 100
3,3'-Dichlorobenzidine	6670	3570		ug/Kg		54	43 - 100
2,4-Dichlorophenol	6670	4720		ug/Kg		71	53 - 101
Diethyl phthalate	6670	4550		ug/Kg		68	48 - 104
2,4-Dimethylphenol	6670	3580		ug/Kg		54	51 - 101
Dimethyl phthalate	6670	4670		ug/Kg		70	53 - 100
Di-n-butyl phthalate	6670	4420		ug/Kg		66	57 - 102
4,6-Dinitro-2-methylphenol	13300	9390		ug/Kg		70	51 - 100
2,4-Dinitrophenol	13300	9500		ug/Kg		71	33 - 101
2,4-Dinitrotoluene	6670	4940		ug/Kg		74	54 - 104
2,6-Dinitrotoluene	6670	4730		ug/Kg		71	51 - 106
Di-n-octyl phthalate	6670	3930		ug/Kg		59	41 - 106
1,4-Dioxane	6670	5200		ug/Kg		78	25 - 125
Fluoranthene	6670	4420		ug/Kg		66	55 - 100
Fluorene	6670	4600		ug/Kg		69	52 - 100
Hexachlorobenzene	6670	4630		ug/Kg		69	49 - 100
Hexachlorobutadiene	6670	4800		ug/Kg		72	38 - 107
Hexachlorocyclopentadiene	6670	3710		ug/Kg		56	33 - 117
Hexachloroethane	6670	4640		ug/Kg		70	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4600		ug/Kg		69	51 - 103
Isophorone	6670	4540		ug/Kg		68	48 - 105
2-Methylnaphthalene	6670	4570		ug/Kg		69	53 - 100
2-Methylphenol	6670	4620		ug/Kg		69	50 - 101
Methylphenol, 3 & 4	6670	4630		ug/Kg		69	50 - 103
Naphthalene	6670	4490		ug/Kg		67	51 - 100
2-Nitroaniline	6670	3650		ug/Kg		55	42 - 123
3-Nitroaniline	6670	4360		ug/Kg		65	50 - 103
4-Nitroaniline	6670	4540		ug/Kg		68	52 - 103
Nitrobenzene	6670	4510		ug/Kg		68	44 - 108
2-Nitrophenol	6670	4530		ug/Kg		68	55 - 107
4-Nitrophenol	13300	11300		ug/Kg		85	30 - 134
N-Nitrosodi-n-propylamine	6670	4090		ug/Kg		61	45 - 107
N-Nitrosodiphenylamine	6670	4590		ug/Kg		69	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4110		ug/Kg		62	30 - 113
Pentachlorophenol	13300	11000		ug/Kg		83	42 - 110
Phenanthrene	6670	4560		ug/Kg		68	53 - 100
Phenol	6670	4520		ug/Kg		68	49 - 100
Pyrene	6670	4410		ug/Kg		66	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4920		ug/Kg		74	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4710		ug/Kg		71	47 - 104
2,4,5-Trichlorophenol	6670	4840		ug/Kg		73	50 - 104

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448877/2-A
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448877

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	5000		ug/Kg		75	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*44 - 105*
2-Fluorophenol (Surr)	*74*		*48 - 105*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*
Phenol-d5 (Surr)	*67*		*46 - 105*
Terphenyl-d14 (Surr)	*63*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*74*		*34 - 108*

Lab Sample ID: 180-163582-12 MS
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7680	6880		ug/Kg	☼	90	50 - 100		
Acenaphthylene	ND		7680	7010		ug/Kg	☼	91	52 - 100		
Acetophenone	ND		7680	6190		ug/Kg	☼	81	48 - 100		
Anthracene	ND		7680	6880		ug/Kg	☼	90	53 - 100		
Atrazine	ND	F1	7680	2760	F1	ug/Kg	☼	36	49 - 103		
Benzaldehyde	ND	F1	7680	785	F1	ug/Kg	☼	10	23 - 105		
Benzo[a]anthracene	ND		7680	6920		ug/Kg	☼	90	51 - 100		
Benzo[a]pyrene	ND		7680	7340		ug/Kg	☼	96	51 - 100		
Benzo[b]fluoranthene	ND		7680	7030		ug/Kg	☼	92	48 - 100		
Benzo[g,h,i]perylene	ND		7680	7000		ug/Kg	☼	91	48 - 105		
Benzo[k]fluoranthene	ND		7680	6590		ug/Kg	☼	86	19 - 100		
1,1'-Biphenyl	ND		7680	6880		ug/Kg	☼	90	50 - 100		
Bis(2-chloroethoxy)methane	ND		7680	6480		ug/Kg	☼	84	49 - 100		
Bis(2-chloroethyl)ether	ND		7680	6140		ug/Kg	☼	80	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7680	7210		ug/Kg	☼	94	53 - 107		
4-Bromophenyl phenyl ether	ND		7680	7210		ug/Kg	☼	94	52 - 101		
Butyl benzyl phthalate	ND		7680	7060		ug/Kg	☼	92	52 - 107		
Caprolactam	ND		7680	7510		ug/Kg	☼	98	48 - 111		
Carbazole	ND		7680	6990		ug/Kg	☼	91	53 - 100		
4-Chloroaniline	ND		7680	5940		ug/Kg	☼	77	47 - 100		
4-Chloro-3-methylphenol	ND		7680	7060		ug/Kg	☼	92	49 - 106		
2-Chloronaphthalene	ND		7680	6980		ug/Kg	☼	91	51 - 100		
2-Chlorophenol	ND		7680	6580		ug/Kg	☼	86	51 - 100		
4-Chlorophenyl phenyl ether	ND		7680	6950		ug/Kg	☼	90	52 - 100		
Chrysene	ND		7680	7390		ug/Kg	☼	96	50 - 100		
Dibenz(a,h)anthracene	ND		7680	7190		ug/Kg	☼	94	50 - 107		
Dibenzofuran	ND		7680	6700		ug/Kg	☼	87	52 - 100		
3,3'-Dichlorobenzidine	ND		7680	5710		ug/Kg	☼	74	43 - 100		
2,4-Dichlorophenol	ND		7680	6970		ug/Kg	☼	91	53 - 101		
Diethyl phthalate	ND		7680	7020		ug/Kg	☼	91	48 - 104		
2,4-Dimethylphenol	ND		7680	5460		ug/Kg	☼	71	51 - 101		
Dimethyl phthalate	ND		7680	7180		ug/Kg	☼	93	53 - 100		
Di-n-butyl phthalate	ND		7680	7040		ug/Kg	☼	92	57 - 102		

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-163582-12 MS
Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448994
Prep Batch: 448877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		15400	14200		ug/Kg	☼	93	51 - 100
2,4-Dinitrophenol	ND		15400	13400		ug/Kg	☼	87	33 - 101
2,4-Dinitrotoluene	ND		7680	7780		ug/Kg	☼	101	54 - 104
2,6-Dinitrotoluene	ND		7680	7570		ug/Kg	☼	99	51 - 106
Di-n-octyl phthalate	ND		7680	7110		ug/Kg	☼	93	41 - 106
1,4-Dioxane	ND		7680	5420		ug/Kg	☼	71	25 - 125
Fluoranthene	ND		7680	6770		ug/Kg	☼	88	55 - 100
Fluorene	ND		7680	6860		ug/Kg	☼	89	52 - 100
Hexachlorobenzene	ND		7680	7160		ug/Kg	☼	93	49 - 100
Hexachlorobutadiene	ND		7680	6630		ug/Kg	☼	86	38 - 107
Hexachlorocyclopentadiene	ND		7680	2560		ug/Kg	☼	33	33 - 117
Hexachloroethane	ND		7680	6070		ug/Kg	☼	79	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7680	7160		ug/Kg	☼	93	51 - 103
Isophorone	ND		7680	6680		ug/Kg	☼	87	48 - 105
2-Methylnaphthalene	ND		7680	6980		ug/Kg	☼	91	53 - 100
2-Methylphenol	ND		7680	6590		ug/Kg	☼	86	50 - 101
Methylphenol, 3 & 4	ND		7680	6560		ug/Kg	☼	85	50 - 103
Naphthalene	ND		7680	6570		ug/Kg	☼	85	51 - 100
2-Nitroaniline	ND		7680	6580		ug/Kg	☼	86	42 - 123
3-Nitroaniline	ND		7680	7000		ug/Kg	☼	91	50 - 103
4-Nitroaniline	ND		7680	7270		ug/Kg	☼	95	52 - 103
Nitrobenzene	ND		7680	6560		ug/Kg	☼	85	44 - 108
2-Nitrophenol	ND		7680	7290		ug/Kg	☼	95	55 - 107
4-Nitrophenol	ND		15400	15400		ug/Kg	☼	100	30 - 134
N-Nitrosodi-n-propylamine	ND		7680	6360		ug/Kg	☼	83	45 - 107
N-Nitrosodiphenylamine	ND		7680	7250		ug/Kg	☼	94	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7680	6150		ug/Kg	☼	80	30 - 113
Pentachlorophenol	ND		15400	16500		ug/Kg	☼	107	42 - 110
Phenanthrene	ND		7680	7030		ug/Kg	☼	92	53 - 100
Phenol	ND		7680	6280		ug/Kg	☼	82	49 - 100
Pyrene	ND		7680	7120		ug/Kg	☼	93	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7680	6840		ug/Kg	☼	89	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7680	7090		ug/Kg	☼	92	47 - 104
2,4,5-Trichlorophenol	ND		7680	7060		ug/Kg	☼	92	50 - 104
2,4,6-Trichlorophenol	ND		7680	7270		ug/Kg	☼	95	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*44 - 105*
2-Fluorophenol (Surr)	*89*		*48 - 105*
Nitrobenzene-d5 (Surr)	*90*		*46 - 105*
Phenol-d5 (Surr)	*90*		*46 - 105*
Terphenyl-d14 (Surr)	*95*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*105*		*34 - 108*

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-163582-12 MSD
Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 448994
Prep Batch: 448877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7680	6990		ug/Kg	☼	91	50 - 100	2	20
Acenaphthylene	ND		7680	7160		ug/Kg	☼	93	52 - 100	2	20
Acetophenone	ND		7680	6490		ug/Kg	☼	84	48 - 100	5	17
Anthracene	ND		7680	6880		ug/Kg	☼	90	53 - 100	0	20
Atrazine	ND	F1	7680	2830	F1	ug/Kg	☼	37	49 - 103	2	19
Benzaldehyde	ND	F1	7680	828	F1	ug/Kg	☼	11	23 - 105	5	31
Benzo[a]anthracene	ND		7680	6840		ug/Kg	☼	89	51 - 100	1	21
Benzo[a]pyrene	ND		7680	7290		ug/Kg	☼	95	51 - 100	1	20
Benzo[b]fluoranthene	ND		7680	7050		ug/Kg	☼	92	48 - 100	0	20
Benzo[g,h,i]perylene	ND		7680	6690		ug/Kg	☼	87	48 - 105	4	19
Benzo[k]fluoranthene	ND		7680	6650		ug/Kg	☼	87	19 - 100	1	20
1,1'-Biphenyl	ND		7680	7060		ug/Kg	☼	92	50 - 100	3	19
Bis(2-chloroethoxy)methane	ND		7680	6520		ug/Kg	☼	85	49 - 100	1	20
Bis(2-chloroethyl)ether	ND		7680	6580		ug/Kg	☼	86	48 - 100	7	18
Bis(2-ethylhexyl) phthalate	ND		7680	6840		ug/Kg	☼	89	53 - 107	5	20
4-Bromophenyl phenyl ether	ND		7680	7300		ug/Kg	☼	95	52 - 101	1	20
Butyl benzyl phthalate	ND		7680	6700		ug/Kg	☼	87	52 - 107	5	19
Caprolactam	ND		7680	7350		ug/Kg	☼	96	48 - 111	2	23
Carbazole	ND		7680	6960		ug/Kg	☼	91	53 - 100	0	20
4-Chloroaniline	ND		7680	5940		ug/Kg	☼	77	47 - 100	0	20
4-Chloro-3-methylphenol	ND		7680	7140		ug/Kg	☼	93	49 - 106	1	20
2-Chloronaphthalene	ND		7680	7230		ug/Kg	☼	94	51 - 100	3	20
2-Chlorophenol	ND		7680	6920		ug/Kg	☼	90	51 - 100	5	17
4-Chlorophenyl phenyl ether	ND		7680	7170		ug/Kg	☼	93	52 - 100	3	19
Chrysene	ND		7680	7160		ug/Kg	☼	93	50 - 100	3	20
Dibenz(a,h)anthracene	ND		7680	6990		ug/Kg	☼	91	50 - 107	3	21
Dibenzofuran	ND		7680	6910		ug/Kg	☼	90	52 - 100	3	19
3,3'-Dichlorobenzidine	ND		7680	4990		ug/Kg	☼	65	43 - 100	14	19
2,4-Dichlorophenol	ND		7680	7200		ug/Kg	☼	94	53 - 101	3	22
Diethyl phthalate	ND		7680	7140		ug/Kg	☼	93	48 - 104	2	20
2,4-Dimethylphenol	ND		7680	5360		ug/Kg	☼	70	51 - 101	2	32
Dimethyl phthalate	ND		7680	7330		ug/Kg	☼	95	53 - 100	2	21
Di-n-butyl phthalate	ND		7680	7100		ug/Kg	☼	92	57 - 102	1	20
4,6-Dinitro-2-methylphenol	ND		15400	15100		ug/Kg	☼	98	51 - 100	6	22
2,4-Dinitrophenol	ND		15400	14400		ug/Kg	☼	93	33 - 101	7	20
2,4-Dinitrotoluene	ND		7680	7940		ug/Kg	☼	103	54 - 104	2	20
2,6-Dinitrotoluene	ND		7680	7530		ug/Kg	☼	98	51 - 106	1	20
Di-n-octyl phthalate	ND		7680	6880		ug/Kg	☼	90	41 - 106	3	18
1,4-Dioxane	ND		7680	5840		ug/Kg	☼	76	25 - 125	7	17
Fluoranthene	ND		7680	6860		ug/Kg	☼	89	55 - 100	1	20
Fluorene	ND		7680	7060		ug/Kg	☼	92	52 - 100	3	19
Hexachlorobenzene	ND		7680	7060		ug/Kg	☼	92	49 - 100	1	20
Hexachlorobutadiene	ND		7680	6910		ug/Kg	☼	90	38 - 107	4	22
Hexachlorocyclopentadiene	ND		7680	2700		ug/Kg	☼	35	33 - 117	5	19
Hexachloroethane	ND		7680	6360		ug/Kg	☼	83	47 - 100	5	17
Indeno[1,2,3-cd]pyrene	ND		7680	7050		ug/Kg	☼	92	51 - 103	2	19
Isophorone	ND		7680	6610		ug/Kg	☼	86	48 - 105	1	20
2-Methylnaphthalene	ND		7680	6990		ug/Kg	☼	91	53 - 100	0	21

Method: EPA 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-163582-12 MSD
Matrix: Solid
Analysis Batch: 448994

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7680	6820		ug/Kg	☼	89	50 - 101	3	17
Methylphenol, 3 & 4	ND		7680	6810		ug/Kg	☼	89	50 - 103	4	19
Naphthalene	ND		7680	6660		ug/Kg	☼	87	51 - 100	1	20
2-Nitroaniline	ND		7680	6600		ug/Kg	☼	86	42 - 123	0	19
3-Nitroaniline	ND		7680	7010		ug/Kg	☼	91	50 - 103	0	20
4-Nitroaniline	ND		7680	7340		ug/Kg	☼	96	52 - 103	1	18
Nitrobenzene	ND		7680	6600		ug/Kg	☼	86	44 - 108	1	21
2-Nitrophenol	ND		7680	7280		ug/Kg	☼	95	55 - 107	0	19
4-Nitrophenol	ND		15400	16100		ug/Kg	☼	105	30 - 134	4	18
N-Nitrosodi-n-propylamine	ND		7680	6510		ug/Kg	☼	85	45 - 107	2	18
N-Nitrosodiphenylamine	ND		7680	7110		ug/Kg	☼	93	52 - 100	2	20
2,2'-oxybis[1-chloropropane]	ND		7680	6230		ug/Kg	☼	81	30 - 113	1	17
Pentachlorophenol	ND		15400	16400		ug/Kg	☼	106	42 - 110	1	20
Phenanthrene	ND		7680	6990		ug/Kg	☼	91	53 - 100	1	20
Phenol	ND		7680	6540		ug/Kg	☼	85	49 - 100	4	16
Pyrene	ND		7680	6950		ug/Kg	☼	90	52 - 100	2	20
1,2,4,5-Tetrachlorobenzene	ND		7680	7200		ug/Kg	☼	94	41 - 104	5	21
2,3,4,6-Tetrachlorophenol	ND		7680	7160		ug/Kg	☼	93	47 - 104	1	18
2,4,5-Trichlorophenol	ND		7680	7310		ug/Kg	☼	95	50 - 104	3	21
2,4,6-Trichlorophenol	ND		7680	7500		ug/Kg	☼	98	50 - 105	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*44 - 105*
2-Fluorophenol (Surr)	*94*		*48 - 105*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*
Phenol-d5 (Surr)	*94*		*46 - 105*
Terphenyl-d14 (Surr)	*92*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*104*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-448834/1-A
Matrix: Solid
Analysis Batch: 448940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1221	ND		17	5.9	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1232	ND		17	4.1	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1242	ND		17	2.4	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1248	ND		17	4.0	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1254	ND		17	5.0	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1260	ND	*3	17	4.7	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1262	ND	*3	17	5.9	ug/Kg		10/10/23 15:52	10/12/23 00:39	1
PCB-1268	ND	*3	17	2.2	ug/Kg		10/10/23 15:52	10/12/23 00:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*126*	**3*	*63 - 138*	*10/10/23 15:52*	*10/12/23 00:39*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-448834/1-A
Matrix: Solid
Analysis Batch: 448940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448834

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	110	*3	63 - 138	10/10/23 15:52	10/12/23 00:39	1
Tetrachloro-m-xylene (Surr)	102		55 - 135	10/10/23 15:52	10/12/23 00:39	1
Tetrachloro-m-xylene (Surr)	107	*3	55 - 135	10/10/23 15:52	10/12/23 00:39	1

Lab Sample ID: LCS 180-448834/2-A
Matrix: Solid
Analysis Batch: 448940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1330	1090	*3	ug/Kg		82	43 - 136
PCB-1260	1330	1110	*3	ug/Kg		84	55 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	115	*3	63 - 138
DCB Decachlorobiphenyl (Surr)	102	*3	63 - 138
Tetrachloro-m-xylene (Surr)	94		55 - 135
Tetrachloro-m-xylene (Surr)	99	*3	55 - 135

Lab Sample ID: 180-163582-12 MS
Matrix: Solid
Analysis Batch: 448940

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	ND		1550	1130		ug/Kg	☼	73	43 - 136
PCB-1260	ND		1550	1100		ug/Kg	☼	71	55 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	97		63 - 138
DCB Decachlorobiphenyl (Surr)	88		63 - 138
Tetrachloro-m-xylene (Surr)	83		55 - 135
Tetrachloro-m-xylene (Surr)	87		55 - 135

Lab Sample ID: 180-163582-12 MSD
Matrix: Solid
Analysis Batch: 448940

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1540	1050		ug/Kg	☼	68	43 - 136	8	40
PCB-1260	ND		1540	1010		ug/Kg	☼	66	55 - 128	8	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	88		63 - 138
DCB Decachlorobiphenyl (Surr)	80		63 - 138
Tetrachloro-m-xylene (Surr)	78		55 - 135
Tetrachloro-m-xylene (Surr)	82		55 - 135

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-431273/1-A
Matrix: Solid
Analysis Batch: 433198

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	9.0	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Antimony	ND		5.0	1.7	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Arsenic	ND		3.0	1.4	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Barium	ND		0.50	0.15	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Beryllium	ND		0.50	0.10	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Cadmium	ND		0.50	0.10	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Calcium	ND		50	21	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Chromium	ND		1.5	0.60	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Cobalt	ND		0.50	0.15	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Copper	ND		2.0	0.77	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Iron	ND		20	8.0	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Lead	ND		1.5	0.60	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Magnesium	ND		10	4.0	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Manganese	ND		1.0	0.40	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Nickel	ND		1.0	0.40	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Potassium	ND		50	20	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Selenium	ND		5.0	1.5	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Silver	ND		1.0	0.40	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Sodium	ND		100	40	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Thallium	ND		3.0	1.3	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Vanadium	ND		1.0	0.43	mg/Kg		10/14/23 01:20	10/19/23 02:43	1
Zinc	ND		2.0	0.80	mg/Kg		10/14/23 01:20	10/19/23 02:43	1

Lab Sample ID: LCS 410-431273/2-A
Matrix: Solid
Analysis Batch: 433198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	510		mg/Kg		102	80 - 120
Antimony	10.0	10.8		mg/Kg		108	80 - 120
Arsenic	50.0	52.4		mg/Kg		105	80 - 120
Barium	50.0	51.8		mg/Kg		104	80 - 120
Beryllium	5.00	5.09		mg/Kg		102	80 - 120
Cadmium	5.00	5.13		mg/Kg		103	80 - 120
Calcium	500	520		mg/Kg		104	80 - 120
Chromium	50.0	52.4		mg/Kg		105	80 - 120
Cobalt	50.0	51.0		mg/Kg		102	80 - 120
Copper	50.0	51.9		mg/Kg		104	80 - 120
Iron	500	517		mg/Kg		103	80 - 120
Lead	5.00	4.84		mg/Kg		97	80 - 120
Magnesium	500	516		mg/Kg		103	80 - 120
Manganese	50.0	51.5		mg/Kg		103	80 - 120
Nickel	50.0	51.2		mg/Kg		102	80 - 120
Potassium	500	497		mg/Kg		99	80 - 120
Selenium	10.0	9.40		mg/Kg		94	80 - 120
Silver	5.00	5.32		mg/Kg		106	80 - 120
Sodium	500	502		mg/Kg		100	80 - 120
Thallium	10.0	9.60		mg/Kg		96	80 - 120
Vanadium	50.0	51.6		mg/Kg		103	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-431273/2-A
Matrix: Solid
Analysis Batch: 433198

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	50.0	50.4		mg/Kg		101	80 - 120

Lab Sample ID: 180-163582-12 MS
Matrix: Solid
Analysis Batch: 433198

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 431273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	13000		580	16500	4	mg/Kg	☼	671	75 - 125
Antimony	ND		11.6	10.3		mg/Kg	☼	88	75 - 125
Arsenic	6.3		58.0	63.0		mg/Kg	☼	98	75 - 125
Barium	130	F1	58.0	181		mg/Kg	☼	86	75 - 125
Beryllium	0.47	J	5.80	6.03		mg/Kg	☼	96	75 - 125
Cadmium	ND		5.80	5.46		mg/Kg	☼	94	75 - 125
Calcium	3800		580	13900	4	mg/Kg	☼	1747	75 - 125
Chromium	13		58.0	72.6		mg/Kg	☼	103	75 - 125
Cobalt	6.4		58.0	62.0		mg/Kg	☼	96	75 - 125
Copper	14		58.0	71.8		mg/Kg	☼	100	75 - 125
Iron	19000		580	20200	4	mg/Kg	☼	281	75 - 125
Lead	14		5.80	20.2		mg/Kg	☼	114	75 - 125
Magnesium	2400	F2	580	4970	4	mg/Kg	☼	435	75 - 125
Manganese	710		58.0	722	4	mg/Kg	☼	19	75 - 125
Nickel	14		58.0	72.1		mg/Kg	☼	100	75 - 125
Potassium	1100	F1	580	2560	F1	mg/Kg	☼	246	75 - 125
Selenium	ND		11.6	9.26		mg/Kg	☼	80	75 - 125
Silver	ND		5.80	5.70		mg/Kg	☼	98	75 - 125
Sodium	53	J	580	637		mg/Kg	☼	101	75 - 125
Thallium	ND		11.6	10.4		mg/Kg	☼	90	75 - 125
Vanadium	20		58.0	81.2		mg/Kg	☼	105	75 - 125
Zinc	56		58.0	115		mg/Kg	☼	101	75 - 125

Lab Sample ID: 180-163582-12 MSD
Matrix: Solid
Analysis Batch: 433198

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 431273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	13000		574	15000	4	mg/Kg	☼	424	75 - 125	9	20
Antimony	ND		11.5	10.2		mg/Kg	☼	88	75 - 125	1	20
Arsenic	6.3		57.4	65.6		mg/Kg	☼	103	75 - 125	4	20
Barium	130	F1	57.4	155	F1	mg/Kg	☼	41	75 - 125	15	20
Beryllium	0.47	J	5.74	5.88		mg/Kg	☼	94	75 - 125	2	20
Cadmium	ND		5.74	5.46		mg/Kg	☼	95	75 - 125	0	20
Calcium	3800		574	15300	4	mg/Kg	☼	1994	75 - 125	9	20
Chromium	13		57.4	70.4		mg/Kg	☼	100	75 - 125	3	20
Cobalt	6.4		57.4	61.2		mg/Kg	☼	95	75 - 125	1	20
Copper	14		57.4	72.0		mg/Kg	☼	102	75 - 125	0	20
Iron	19000		574	21400	4	mg/Kg	☼	493	75 - 125	6	20
Lead	14		5.74	19.7		mg/Kg	☼	107	75 - 125	2	20
Magnesium	2400	F2	574	3850	4 F2	mg/Kg	☼	244	75 - 125	25	20
Manganese	710		57.4	632	4	mg/Kg	☼	-136	75 - 125	13	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 180-163582-12 MSD
Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433198
Prep Batch: 431273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	14		57.4	71.3		mg/Kg	☼	100	75 - 125	1	20
Potassium	1100	F1	574	2810	F1	mg/Kg	☼	293	75 - 125	10	20
Selenium	ND		11.5	8.65		mg/Kg	☼	75	75 - 125	7	20
Silver	ND		5.74	5.60		mg/Kg	☼	98	75 - 125	2	20
Sodium	53	J	574	625		mg/Kg	☼	100	75 - 125	2	20
Thallium	ND		11.5	10.4		mg/Kg	☼	91	75 - 125	1	20
Vanadium	20		57.4	77.5		mg/Kg	☼	100	75 - 125	5	20
Zinc	56		57.4	109		mg/Kg	☼	92	75 - 125	5	20

Lab Sample ID: 180-163582-12 DU
Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 433198
Prep Batch: 431273

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	13000		13500		mg/Kg	☼	7	20
Antimony	ND		ND		mg/Kg	☼	NC	20
Arsenic	6.3		7.65		mg/Kg	☼	20	20
Barium	130	F1	127		mg/Kg	☼	4	20
Beryllium	0.47	J	0.482	J	mg/Kg	☼	3	20
Cadmium	ND		ND		mg/Kg	☼	NC	20
Calcium	3800		2920	F3	mg/Kg	☼	27	20
Chromium	13		13.9		mg/Kg	☼	8	20
Cobalt	6.4		7.22		mg/Kg	☼	12	20
Copper	14		15.2		mg/Kg	☼	10	20
Iron	19000		20500		mg/Kg	☼	10	20
Lead	14		12.5		mg/Kg	☼	8	20
Magnesium	2400	F2	2980		mg/Kg	☼	20	20
Manganese	710		574	F3	mg/Kg	☼	21	20
Nickel	14		26.5	F3	mg/Kg	☼	61	20
Potassium	1100	F1	1250		mg/Kg	☼	10	20
Selenium	ND		ND		mg/Kg	☼	NC	20
Silver	ND		ND		mg/Kg	☼	NC	20
Sodium	53	J	45.9	J	mg/Kg	☼	14	20
Thallium	ND		ND		mg/Kg	☼	NC	20
Vanadium	20		20.4		mg/Kg	☼	0.2	20
Zinc	56		80.9	F3	mg/Kg	☼	36	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-448909/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 449186
Prep Batch: 448909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		10/12/23 08:00	10/13/23 10:34	1

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-448909/2-A
Matrix: Solid
Analysis Batch: 449186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448909

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.404		mg/Kg		97	80 - 120		

Lab Sample ID: 180-163582-12 MS
Matrix: Solid
Analysis Batch: 449186

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.030	J	0.176	0.181		mg/Kg	☼	86	80 - 120		

Lab Sample ID: 180-163582-12 MSD
Matrix: Solid
Analysis Batch: 449186

Client Sample ID: SSHS-ISMP-NAF-LPA2-B1
Prep Type: Total/NA
Prep Batch: 448909

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.030	J	0.187	0.191		mg/Kg	☼	86	80 - 120	6	20

GC/MS VOA

Analysis Batch: 448882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	EPA 8260C	448915
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	EPA 8260C	448915
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	EPA 8260C	448915
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	EPA 8260C	448915
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	EPA 8260C	448915
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	EPA 8260C	448915
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	EPA 8260C	448915
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	EPA 8260C	448915
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	EPA 8260C	448915
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	EPA 8260C	448915
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	EPA 8260C	448915
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8260C	448915
MB 180-448882/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-448882/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-448882/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8260C	448915
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8260C	448915

Prep Batch: 448915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	5035	
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	5035	
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	5035	
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	5035	
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	5035	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	5035	
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	5035	
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	5035	
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	5035	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	5035	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	5035	
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	5035	
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	5035	
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 448877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	3541	
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	3541	
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	3541	
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	3541	
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	3541	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	3541	
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	3541	
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	3541	
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	3541	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	3541	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	3541	
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 448877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-448877/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-448877/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3541	
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3541	

Analysis Batch: 448994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	EPA 8270D	448877
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	EPA 8270D	448877
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	EPA 8270D	448877
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	EPA 8270D	448877
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	EPA 8270D	448877
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	EPA 8270D	448877
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	EPA 8270D	448877
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	EPA 8270D	448877
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	EPA 8270D	448877
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	EPA 8270D	448877
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	EPA 8270D	448877
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8270D	448877
MB 180-448877/1-A	Method Blank	Total/NA	Solid	EPA 8270D	448877
LCS 180-448877/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	448877
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8270D	448877
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8270D	448877

GC Semi VOA

Prep Batch: 448834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	3541	
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	3541	
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	3541	
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	3541	
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	3541	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	3541	
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	3541	
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	3541	
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	3541	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	3541	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	3541	
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3541	
MB 180-448834/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-448834/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3541	
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3541	

Cleanup Batch: 448858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	3665A	448834
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	3665A	448834
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	3665A	448834
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	3665A	448834

GC Semi VOA (Continued)

Cleanup Batch: 448858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	3665A	448834
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	3665A	448834
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	3665A	448834
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	3665A	448834
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	3665A	448834
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	3665A	448834
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	3665A	448834
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3665A	448834
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3665A	448834
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3665A	448834

Cleanup Batch: 448859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	3660B	448858
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	3660B	448858
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	3660B	448858
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	3660B	448858
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	3660B	448858
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	3660B	448858
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	3660B	448858
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	3660B	448858
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	3660B	448858
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	3660B	448858
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	3660B	448858
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3660B	448858
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3660B	448858
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3660B	448858

Analysis Batch: 448940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	EPA 8082A	448859
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	EPA 8082A	448859
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	EPA 8082A	448859
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	EPA 8082A	448859
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	EPA 8082A	448859
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	EPA 8082A	448859
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	EPA 8082A	448859
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	EPA 8082A	448859
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	EPA 8082A	448859
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	EPA 8082A	448859
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	EPA 8082A	448859
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8082A	448859
MB 180-448834/1-A	Method Blank	Total/NA	Solid	EPA 8082A	448834
LCS 180-448834/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	448834
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8082A	448859
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 8082A	448859

Metals

Prep Batch: 431273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	3050B	
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	3050B	
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	3050B	
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	3050B	
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	3050B	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	3050B	
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	3050B	
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	3050B	
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	3050B	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	3050B	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	3050B	
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3050B	
MB 410-431273/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 410-431273/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3050B	
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3050B	
180-163582-12 DU	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	3050B	

Analysis Batch: 433198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	6010D	431273
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	6010D	431273
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	6010D	431273
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	6010D	431273
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	6010D	431273
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	6010D	431273
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	6010D	431273
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	6010D	431273
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	6010D	431273
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	6010D	431273
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	6010D	431273
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	6010D	431273
MB 410-431273/1-A	Method Blank	Total/NA	Solid	6010D	431273
LCS 410-431273/2-A	Lab Control Sample	Total/NA	Solid	6010D	431273
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	6010D	431273
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	6010D	431273
180-163582-12 DU	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	6010D	431273

Prep Batch: 448909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	7471B	
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	7471B	
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	7471B	
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	7471B	
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	7471B	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	7471B	
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	7471B	
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	7471B	
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	7471B	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	7471B	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 448909 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	7471B	
MB 180-448909/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-448909/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	7471B	
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	7471B	

Analysis Batch: 449186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	EPA 7471B	448909
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	EPA 7471B	448909
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	EPA 7471B	448909
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	EPA 7471B	448909
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	EPA 7471B	448909
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	EPA 7471B	448909
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	EPA 7471B	448909
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	EPA 7471B	448909
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	EPA 7471B	448909
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	EPA 7471B	448909
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	EPA 7471B	448909
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 7471B	448909
MB 180-448909/1-A	Method Blank	Total/NA	Solid	EPA 7471B	448909
LCS 180-448909/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	448909
180-163582-12 MS	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 7471B	448909
180-163582-12 MSD	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	EPA 7471B	448909

General Chemistry

Analysis Batch: 448862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163582-1	SSHS-ISMP-NAF-LPA1-S1	Total/NA	Solid	2540G	
180-163582-2	SSHS-ISMP-NAF-LPA1-S2	Total/NA	Solid	2540G	
180-163582-3	SSHS-ISMP-NAF-LPA1-S3	Total/NA	Solid	2540G	
180-163582-4	SSHS-ISMP-DUP25A	Total/NA	Solid	2540G	
180-163582-5	SSHS-ISMP-NAF-LPA1-S4	Total/NA	Solid	2540G	
180-163582-6	SSHS-ISMP-NAF-LPA1-B1	Total/NA	Solid	2540G	
180-163582-7	SSHS-ISMP-NAF-LPA2-S1	Total/NA	Solid	2540G	
180-163582-8	SSHS-ISMP-NAF-LPA2-S2	Total/NA	Solid	2540G	
180-163582-9	SSHS-ISMP-NAF-LPA2-S3	Total/NA	Solid	2540G	
180-163582-10	SSHS-ISMP-NAF-LPA2-S4	Total/NA	Solid	2540G	
180-163582-11	SSHS-ISMP-DUP26A	Total/NA	Solid	2540G	
180-163582-12	SSHS-ISMP-NAF-LPA2-B1	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s).	COC No
	Z Miller	Dunlap, David A		180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address	Due Date Requested:
10211 Wincopin Circle 4th Floor	
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-ISMP-NAF-LPA1-S1	10/9/23	1500	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LPA1-S2	10/9/23	1505	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA1-S3	10/9/23	1510	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-DUP25A	10/9/23	-	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA1-S4	10/9/23	1515	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA1-B1	10/9/23	1520	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LPA2-S1	10/9/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA2-S2	10/9/23	1530	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA2-S3	10/9/23	1535	G	S	N	N	X	X	X	X									6	
SSHS-ISMP-NAF-LPA2-S4	10/9/23	1540	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-DUP26A	10/9/23	-	G	S	N	N	X	X	X	X	X	X							8	
SSHS-ISMP-NAF-LPA2-B1	10/9/23	1545	G	S	N	Y	X	X	X	X									16	

180-163582 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Zach Miller	10/9/23 17:00	Geosyntec		10-10-23 0930	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

10/23/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-163582 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-ISMP-NAF-LPA1-S1	10/9/23	1500	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LPA1-S2	10/9/23	1505	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA1-S3	10/9/23	1510	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-DUP25A	10/9/23	-	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA1-S4	10/9/23	1515	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA1-B1	10/9/23	1520	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LPA2-S1	10/9/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA2-S2	10/9/23	1530	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA2-S3	10/9/23	1535	G	S	N	N	X	X	X	X			6	
SSHS-ISMP-NAF-LPA2-S4	10/9/23	1540	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-DUP26A	10/9/23	-	G	S	N	N	X	X	X	X	X	X	8	
SSHS-ISMP-NAF-LPA2-B1	10/9/23	1545	G	S	N	Y	X	X	X	X			16	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Zach Miller	10/9/23 1700	Company: Geosyntec		10/10/23 910	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 2163160

Cooler Temperature(s) °C and Other Remarks: 4.1°C

Ver: 01/16/2019

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-497332.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: David.Dunlap@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 180-163582-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/23/2023			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Former Sperry Remington-Documentation	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3050B TAL Metals by ICP-Lancaster	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-ISMP-NAF-LPA1-S1 (180-163582-1)	10/9/23	15:00 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA1-S2 (180-163582-2)	10/9/23	15:05 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA1-S3 (180-163582-3)	10/9/23	15:10 Eastern		Solid			X	1	
SSHS-ISMP-DUP25A (180-163582-4)	10/9/23	Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA1-S4 (180-163582-5)	10/9/23	15:15 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA1-B1 (180-163582-6)	10/9/23	15:20 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA2-S1 (180-163582-7)	10/9/23	15:25 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA2-S2 (180-163582-8)	10/9/23	15:30 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA2-S3 (180-163582-9)	10/9/23	15:35 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-11-23 1700				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/12/23 9:58	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9/1.6 1.5/1.2 2.1/1.9

Ver: 06/08/2021

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-497332 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: David.Dunlap@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 180-163582-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/23/2023			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Former Sperry Remington-Documentation	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3050B TAL Metals by ICP-Lancaster	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SSHS-ISMP-NAF-LPA2-S4 (180-163582-10)	10/9/23	15:40 Eastern		Solid			X	1	
SSHS-ISMP-DUP26A (180-163582-11)	10/9/23	Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA2-B1 (180-163582-12)	10/9/23	15:45 Eastern		Solid			X	1	
SSHS-ISMP-NAF-LPA2-B1 (180-163582-12MS)	10/9/23	15:45 Eastern	MS	Solid			X	1	
SSHS-ISMP-NAF-LPA2-B1 (180-163582-12MSD)	10/9/23	15:45 Eastern	MSD	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-11-23 1700	FEDEX			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/12/23 9:58	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9/1.6 1.5/1.2 2.1/1.9

Ver: 06/08/2021

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Sacramento Sample Receiving Notes (SSRN)

180-163582 Field Sheet

Tracking # : 7736 7533 9188

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____ °C

Ice _____ Wet _____ Gel _____ Other _____

Cooler Custody Seal: 2163160

Cooler ID: _____

Temp Observed: 4.1 °C Corrected: 4.1 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 10/10/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DM Date: 10/10/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: DM Date: 10/10/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163582-1

Login Number: 163582
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-163582-1

Login Number: 163582
List Number: 3
Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 10/12/23 01:19 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 11/7/2023 1:21:29 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-164491-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

Table of Contents

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Job ID: 180-164491-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164491-2

Receipt
The samples were received on 10/27/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.9º C and 1.9º C.

LCMS
Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-717264 (CCV 320-717264/1) recovered above the upper control limit for isotope dilution analytes (IDA) 13C2 4:2 FTS, 13C2 6:2 FTS, and 13C2 8:2 FTS. The associated target analytes, 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS), 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS), and 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS), were within control limits in the CCV; therefore, the data is reported.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is below the method recommended limit for 13C4 PFBA in the laboratory control sample, (LCS 320-717009/2-A). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-164491-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164491-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164491-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164491-4	SSHS-IRM5A2-A8PH4-B3	Solid	10/26/23 14:40	10/27/23 09:10

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164491-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-164491-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-B3
Lab Sample ID: 180-164491-4

Date Collected: 10/26/23 14:40
Matrix: Solid
Date Received: 10/27/23 09:10
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.33 g	10.0 mL	717009	10/31/23 19:39	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	717264	11/02/23 02:21	S1C	EET SAC
	Instrument ID: A24									
Total/NA	Prep	SHAKE	RA		5.33 g	10.0 mL	717009	10/31/23 19:39	AM	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	717971	11/04/23 02:00	K1S	EET SAC
	Instrument ID: A26									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

K1S = Kotechakon Sorndee

S1C = Sudarat Chanprathad

Client Sample ID: SSHS-IRM5A2-A8PH4-B3
Lab Sample ID: 180-164491-4

Date Collected: 10/26/23 14:40
Matrix: Solid
Date Received: 10/27/23 09:10
Percent Solids: 85.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorooctanoic acid (PFOA)	**0.064**	**J**	0.22	0.059	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorononanoic acid (PFNA)	**0.034**	**J**	0.22	0.024	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.22	0.047	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	10/31/23 19:39	11/02/23 02:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C5 PFPeA	*78*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C2 PFHxA	*80*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C4 PFHpA	*85*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C4 PFOA	*84*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C5 PFNA	*79*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C2 PFDA	*80*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C2 PFUnA	*88*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C2 PFDoA	*89*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
18O2 PFHxS	*75*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
13C4 PFOS	*76*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*10/31/23 19:39*	*11/02/23 02:21*	*1*

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/31/23 19:39	11/04/23 02:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*77*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:00*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-717009/1-A
Matrix: Solid
Analysis Batch: 717264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/31/23 19:39	11/01/23 22:35	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/31/23 19:39	11/01/23 22:35	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*32*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C5 PFPeA	*76*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C2 PFHxA	*74*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C4 PFHpA	*81*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C4 PFOA	*85*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C5 PFNA	*85*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C2 PFDA	*85*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C2 PFUnA	*79*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C2 PFDoA	*87*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C3 PFBS	*76*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
18O2 PFHxS	*82*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
13C4 PFOS	*84*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
M2-6:2 FTS	*124*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*
M2-8:2 FTS	*130*		*25 - 150*	*10/31/23 19:39*	*11/01/23 22:35*	*1*

Lab Sample ID: LCS 320-717009/2-A
Matrix: Solid
Analysis Batch: 717264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.20		ug/Kg		110	76 - 136

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-717009/2-A
Matrix: Solid
Analysis Batch: 717264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	2.00	2.19		ug/Kg		110	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.13		ug/Kg		107	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.17		ug/Kg		108	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.52		ug/Kg		126	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.25		ug/Kg		113	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.43		ug/Kg		122	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.01		ug/Kg		100	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.19		ug/Kg		110	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.18		ug/Kg		109	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.99		ug/Kg		100	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.99		ug/Kg		112	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.85		ug/Kg		101	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.82		ug/Kg		95	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.91		ug/Kg		102	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.89		ug/Kg		98	71 - 131
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.07		ug/Kg		103	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.08		ug/Kg		104	72 - 132
6:2 FTS	1.90	1.99		ug/Kg		104	73 - 139
8:2 FTS	1.92	2.09		ug/Kg		109	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*19*	**5-*	*25 - 150*
13C5 PFPeA	*60*		*25 - 150*
13C2 PFHxA	*79*		*25 - 150*
13C4 PFHpA	*78*		*25 - 150*
13C4 PFOA	*80*		*25 - 150*
13C5 PFNA	*84*		*25 - 150*
13C2 PFDA	*75*		*25 - 150*
13C2 PFUnA	*85*		*25 - 150*
13C2 PFDoA	*83*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*71*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*85*		*25 - 150*
d3-NMeFOSAA	*85*		*25 - 150*
d5-NEtFOSAA	*86*		*25 - 150*
M2-6:2 FTS	*116*		*25 - 150*
M2-8:2 FTS	*110*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances - RA

Lab Sample ID: MB 320-717009/1-A
Matrix: Solid
Analysis Batch: 717971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA) - RA	ND		0.20	0.033	ug/Kg		10/31/23 19:39	11/04/23 01:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA - RA	*77*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*

Lab Sample ID: LCS 320-717009/2-A
Matrix: Solid
Analysis Batch: 717971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717009

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorooctanesulfonamide (FOSA) - RA			2.00	2.22		ug/Kg		111	77 - 137		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C8 FOSA - RA	*81*		*25 - 150*

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164491-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 717009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164491-4	SSHS-IRM5A2-A8PH4-B3	Total/NA	Solid	SHAKE	
180-164491-4 - RA	SSHS-IRM5A2-A8PH4-B3	Total/NA	Solid	SHAKE	
MB 320-717009/1-A	Method Blank	Total/NA	Solid	SHAKE	
MB 320-717009/1-A - RA	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-717009/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
LCS 320-717009/2-A - RA	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 717264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164491-4	SSHS-IRM5A2-A8PH4-B3	Total/NA	Solid	537 (modified)	717009
MB 320-717009/1-A	Method Blank	Total/NA	Solid	537 (modified)	717009
LCS 320-717009/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	717009

Analysis Batch: 717971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164491-4 - RA	SSHS-IRM5A2-A8PH4-B3	Total/NA	Solid	537 (modified)	717009
MB 320-717009/1-A - RA	Method Blank	Total/NA	Solid	537 (modified)	717009
LCS 320-717009/2-A - RA	Lab Control Sample	Total/NA	Solid	537 (modified)	717009

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site:	SSOW#:

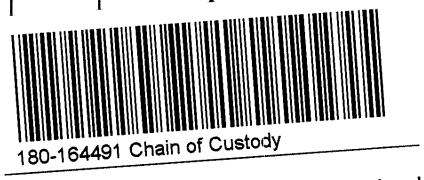
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-S5	10/26/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S6	10/26/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP322	10/26/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B3	10/26/23	1440	G	S	N	N	X	X	X	X	X	X	8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 10/26/23 15:30	Company: Geosyntec	Received by: Meg	Date/Time: 10-27-23 0910	Company: EPI-HOME
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

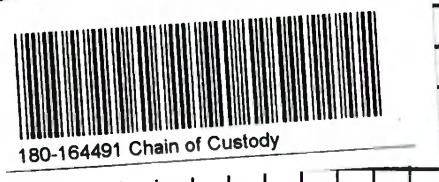
Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-S5	10/26/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S6	10/26/23	1435	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP322	10/26/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B3	10/26/23	1440	G	S	N	N	X	X	X	X	X	X	8	



☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Zach Miller	10/26/23 15:30	Geosyntec		10/27/23 09:15	EET SGL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.9 °C

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Tracking # : 7737 9938 5338

Job:___ 180-164491 Field Sheet ___

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-09 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 2163189

Cooler ID: _____

Temp Observed: 0.9 °C Corrected: 0.9 °C

From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MY Date: 10/27/23 MY 10/27/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 10/27/23

Notes:_____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 10/27/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164491-2

Login Number: 164491
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164491-2

Login Number: 164491
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 10/27/23 03:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2163189
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 11/7/2023 3:29:59 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-164544-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
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Job ID: 180-164544-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164544-2

Receipt
The samples were received on 10/28/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.5º C, 3.9º C and 4.4º C.

LCMS
Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: (LCS 320-717009/2-A). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164544-1	SSHS-IRM5A2-A8PH4-S7	Solid	10/27/23 14:00	10/28/23 09:45
180-164544-5	SSHS-IRM5A2-A8PH4-S11	Solid	10/27/23 14:20	10/28/23 09:45

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S7
Lab Sample ID: 180-164544-1

Date Collected: 10/27/23 14:00
Matrix: Solid
Date Received: 10/28/23 09:45
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.39 g	10.0 mL	717009	10/31/23 19:39	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	717971	11/04/23 02:11	K1S	EET SAC
	Instrument ID: A26									

Client Sample ID: SSHS-IRM5A2-A8PH4-S11
Lab Sample ID: 180-164544-5

Date Collected: 10/27/23 14:20
Matrix: Solid
Date Received: 10/28/23 09:45
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	717009	10/31/23 19:39	AM	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	717971	11/04/23 02:23	K1S	EET SAC
	Instrument ID: A26									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

AM = Andrew Martin

Batch Type: Analysis

K1S = Kotechakon Sorndee

Client Sample ID: SSHS-IRM5A2-A8PH4-S7
Lab Sample ID: 180-164544-1

Date Collected: 10/27/23 14:00
Matrix: Solid

Date Received: 10/28/23 09:45
Percent Solids: 84.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.22	0.045	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorohexanoic acid (PFHxA)	ND		0.22	0.034	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluoroheptanoic acid (PFHpA)	ND		0.22	0.042	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorooctanoic acid (PFOA)	**0.12**	**J**	0.22	0.058	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorononanoic acid (PFNA)	**0.037**	**J**	0.22	0.024	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.053	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.046	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J**	0.22	0.047	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.057	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.036	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.025	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1
8:2 FTS	ND		0.22	0.038	ug/Kg	☼	10/31/23 19:39	11/04/23 02:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C5 PFPeA	*86*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C2 PFHxA	*81*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C4 PFOA	*86*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C5 PFNA	*81*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C2 PFDA	*72*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C2 PFUnA	*69*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C2 PFDoA	*66*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C2 PFTeDA	*72*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C3 PFBS	*71*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
18O2 PFHxS	*68*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C4 PFOS	*65*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
13C8 FOSA	*70*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:11*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S11
Lab Sample ID: 180-164544-5
Date Collected: 10/27/23 14:20
Matrix: Solid
Date Received: 10/28/23 09:45
Percent Solids: 81.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.069**	**J**	0.24	0.056	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluoropentanoic acid (PFPeA)	ND		0.24	0.050	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorohexanoic acid (PFHxA)	**0.052**	**J**	0.24	0.037	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluoroheptanoic acid (PFHpA)	**0.048**	**J**	0.24	0.046	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorooctanoic acid (PFOA)	**0.14**	**J**	0.24	0.064	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorononanoic acid (PFNA)	**0.052**	**J**	0.24	0.027	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.058	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.051	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.036	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorotridecanoic acid (PFTriA)	ND		0.24	0.025	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.045	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.046	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.059	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.24	0.052	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.063	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.24	0.028	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.058	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
6:2 FTS	ND		0.24	0.033	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1
8:2 FTS	ND		0.24	0.042	ug/Kg	☼	10/31/23 19:39	11/04/23 02:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C5 PFPeA	*78*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C2 PFHxA	*78*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C4 PFHpA	*78*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C4 PFOA	*79*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C5 PFNA	*78*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C2 PFDA	*72*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C2 PFUnA	*65*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C2 PFDoA	*59*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C2 PFTeDA	*54*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C3 PFBS	*70*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
18O2 PFHxS	*68*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C4 PFOS	*66*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
13C8 FOSA	*66*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
d3-NMeFOSAA	*60*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
d5-NEtFOSAA	*68*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*
M2-8:2 FTS	*77*		*25 - 150*	*10/31/23 19:39*	*11/04/23 02:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-717009/1-A
Matrix: Solid
Analysis Batch: 717971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
6:2 FTS	ND		0.20	0.027	ug/Kg		10/31/23 19:39	11/04/23 01:04	1
8:2 FTS	ND		0.20	0.035	ug/Kg		10/31/23 19:39	11/04/23 01:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*34*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C5 PFPeA	*77*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C2 PFHxA	*78*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C4 PFHpA	*95*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C4 PFOA	*85*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C5 PFNA	*91*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C2 PFDA	*79*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C2 PFUnA	*73*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C2 PFDoA	*73*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C3 PFBS	*80*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
18O2 PFHxS	*84*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C4 PFOS	*78*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
13C8 FOSA	*77*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*10/31/23 19:39*	*11/04/23 01:04*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-717009/2-A
Matrix: Solid
Analysis Batch: 717971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.19		ug/Kg		109	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.09		ug/Kg		104	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	2.19		ug/Kg		109	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.08		ug/Kg		104	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	2.20		ug/Kg		110	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.13		ug/Kg		107	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	2.15		ug/Kg		107	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.11		ug/Kg		106	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.10		ug/Kg		105	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.11		ug/Kg		106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	2.06		ug/Kg		103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.90		ug/Kg		107	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.91		ug/Kg		104	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.07		ug/Kg		108	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.81		ug/Kg		97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.89		ug/Kg		98	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.22		ug/Kg		111	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.13		ug/Kg		107	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.07		ug/Kg		104	72 - 132
6:2 FTS	1.90	1.69		ug/Kg		89	73 - 139
8:2 FTS	1.92	2.08		ug/Kg		108	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*22*	**5-*	*25 - 150*
13C5 PFPeA	*69*		*25 - 150*
13C2 PFHxA	*78*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*83*		*25 - 150*
13C5 PFNA	*85*		*25 - 150*
13C2 PFDA	*81*		*25 - 150*
13C2 PFUnA	*78*		*25 - 150*
13C2 PFDoA	*78*		*25 - 150*
13C2 PFTeDA	*78*		*25 - 150*
13C3 PFBS	*89*		*25 - 150*
18O2 PFHxS	*82*		*25 - 150*
13C4 PFOS	*86*		*25 - 150*
13C8 FOSA	*81*		*25 - 150*
d3-NMeFOSAA	*78*		*25 - 150*
d5-NEtFOSAA	*85*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-717009/2-A
Matrix: Solid
Analysis Batch: 717971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717009

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	89		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164544-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 717009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164544-1	SSHS-IRM5A2-A8PH4-S7	Total/NA	Solid	SHAKE	
180-164544-5	SSHS-IRM5A2-A8PH4-S11	Total/NA	Solid	SHAKE	
MB 320-717009/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-717009/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 717971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164544-1	SSHS-IRM5A2-A8PH4-S7	Total/NA	Solid	537 (modified)	717009
180-164544-5	SSHS-IRM5A2-A8PH4-S11	Total/NA	Solid	537 (modified)	717009
MB 320-717009/1-A	Method Blank	Total/NA	Solid	537 (modified)	717009
LCS 320-717009/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	717009

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

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Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	Z Miller	Dunlap, David A		180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc				Job #:

Address	Due Date Requested:
10211 Wincopin Circle 4th Floor	
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	
Phone: 40-381-4333	PO #: MN0832I
Email: akrasnopoler@geosyntec.com	WO #:
Project Name: Former Sperry Remington Site	Project #: 18013464
Site	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	S	ote:
			Preservation Code:				N	N	N	N	N	N										
SSHS-IRM5A2-A8PH4-S7	10/27/23	1400	G	S	N	N	X	X	X	X	X	X								8		
SSHS-IRM5A2-A8PH4-S8	10/27/23	1405	G	S	N	N	X	X	X	X										6		
SSHS-IRM5A2-A8PH4-S9	10/27/23	1410	G	S	N	N	X	X	X	X										6		
SSHS-IRM5A2-A8PH4-S10	10/27/23	1415	G	S	N	N	X	X	X	X										6		
SSHS-IRM5A2-A8PH4-S11	10/27/23	1420	G	S	N	N	X	X	X	X	X	X								8		
SSHS-IRM5A2-A8PH4-B4	10/27/23	1425	G	S	N	N	X	X	X	X										6		
SSHS-IRM5A2-A8PH4-B5	10/27/23	1430	G	S	N	N	X	X	X	X										6		
SSHS-IRM5A2-DUP323	10/27/23	–	G	S	N	N	X	X	X	X										6		

180-164544 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Miranda Kahl	10/27/23 1700	Geosyntec		10/28/23 0945	EPHNS

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks.

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Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

180-164544 Chain of Custody

Preservation Codes:

- HCL	M - Hexane
- NaOH	N - None
- Zn Acetate	O - AsNaO2
- Nitric Acid	P - Na2O4S
- NaHSO4	Q - Na2SO3
- MeOH	R - Na2S2O3
- Amchlor	S - H2SO4
- Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-S7	10/27/23	1400	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S8	10/27/23	1405	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S9	10/27/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S10	10/27/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S11	10/27/23	1420	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-B4	10/27/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B5	10/27/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP323	10/27/23	--	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company: Geosyntec	Received by:	Date/Time:	Company
	10/27/23 1700			10/28/23 855	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1975570	Cooler Temperature(s) °C and Other Remarks: 3.9c

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Job: 180-164544 Field Sheet

Tracking # : 7737 6611 1141

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: E11 Corr. Factor: (+ / -) - °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 1975570

Cooler ID: _____

Temp Observed: 3.9 °C Corrected: 3.9 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 10.28.23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 10/30/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 10/30/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164544-2

Login Number: 164544
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164544-2

Login Number: 164544
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 10/30/23 11:18 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1975570
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 11/16/2023 1:05:20 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-164710-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-164710-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164710-2

Receipt
The samples were received on 11/2/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.2º C, 4.5º C and 5.4º C.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits for the following sample: SSHS-IRM5A2-A8PH4-B8 (180-164710-12). The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (CCB 320-720279/4). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The continuing calibration verification (CCVIS) associated with batch 320-720279 (CCVIS 320-720279/6) recovered above the upper control limit for isotope dilution analyte (IDA) d5-NEtFOSAA. The associated target analyte, N-ethylperfluorooctanesulfonamidoacetic acid NEtFOSAA, was within control limits in the CCV; therefore, the data is reported.

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-720286 (CCV 320-720286/12) recovered above the upper control limit for isotope dilution analyte (IDA) d5-NEtFOSAA. The associated target analyte, N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA), was within control limits in the CCV; therefore, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164710-2	SSHS-IRM5A2-A8PH4-S13	Solid	11/01/23 13:50	11/02/23 09:32
180-164710-7	SSHS-IRM5A2-A8PH4-S18	Solid	11/01/23 14:15	11/02/23 09:32
180-164710-12	SSHS-IRM5A2-A8PH4-B8	Solid	11/01/23 14:35	11/02/23 09:32

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S13
Lab Sample ID: 180-164710-2
Date Collected: 11/01/23 13:50
Matrix: Solid
Date Received: 11/02/23 09:32
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.18 g	10.0 mL	719647	11/11/23 10:01	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	720008	11/14/23 00:22	K1S	EET SAC
	Instrument ID: A29									

Client Sample ID: SSHS-IRM5A2-A8PH4-S18
Lab Sample ID: 180-164710-7
Date Collected: 11/01/23 14:15
Matrix: Solid
Date Received: 11/02/23 09:32
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.11 g	10.0 mL	719647	11/11/23 10:01	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	720008	11/14/23 00:33	K1S	EET SAC
	Instrument ID: A29									

Client Sample ID: SSHS-IRM5A2-A8PH4-B8
Lab Sample ID: 180-164710-12
Date Collected: 11/01/23 14:35
Matrix: Solid
Date Received: 11/02/23 09:32
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.08 g	10.0 mL	719647	11/11/23 10:01	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	720286	11/14/23 20:03	C1P	EET SAC
	Instrument ID: A29									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

C1P = Chawaporn Photiboon

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S13
Lab Sample ID: 180-164710-2
Date Collected: 11/01/23 13:50
Matrix: Solid
Date Received: 11/02/23 09:32
Percent Solids: 84.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.16**	**J**	0.23	0.053	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorohexanoic acid (PFHxA)	**0.065**	**J**	0.23	0.035	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluoroheptanoic acid (PFHpA)	**0.052**	**J**	0.23	0.043	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.23	0.061	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorononanoic acid (PFNA)	**0.058**	**J**	0.23	0.025	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.055	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorooctanesulfonic acid (PFOS)	**0.36**		0.23	0.049	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	11/11/23 10:01	11/14/23 00:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C5 PFPeA	*78*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C2 PFHxA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C4 PFHpA	*87*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C4 PFOA	*91*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C5 PFNA	*83*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C2 PFDA	*86*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C2 PFUnA	*89*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C2 PFDoA	*88*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C3 PFBS	*69*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
18O2 PFHxS	*74*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C4 PFOS	*71*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
13C8 FOSA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
d5-NEtFOSAA	*114*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:22*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S18
Lab Sample ID: 180-164710-7
Date Collected: 11/01/23 14:15
Matrix: Solid
Date Received: 11/02/23 09:32
Percent Solids: 88.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.28**		0.22	0.051	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluoropentanoic acid (PFPeA)	**0.085**	**J**	0.22	0.046	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorohexanoic acid (PFHxA)	**0.10**	**J**	0.22	0.034	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluoroheptanoic acid (PFHpA)	**0.10**	**J**	0.22	0.042	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorooctanoic acid (PFOA)	**0.20**	**J**	0.22	0.059	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorononanoic acid (PFNA)	**0.12**	**J**	0.22	0.024	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorodecanoic acid (PFDA)	**0.073**	**J**	0.22	0.053	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluoroundecanoic acid (PFUnA)	**0.054**	**J**	0.22	0.047	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.033	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.054	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.47**		0.22	0.048	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.053	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	11/11/23 10:01	11/14/23 00:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C5 PFPeA	*75*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C2 PFHxA	*80*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C4 PFHpA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C4 PFOA	*84*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C5 PFNA	*83*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C2 PFDA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C2 PFUnA	*92*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C2 PFDoA	*81*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C3 PFBS	*71*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
18O2 PFHxS	*77*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C4 PFOS	*71*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
13C8 FOSA	*83*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*11/11/23 10:01*	*11/14/23 00:33*	*1*

Client Sample ID: SSHS-IRM5A2-A8PH4-B8
Lab Sample ID: 180-164710-12
Date Collected: 11/01/23 14:35
Matrix: Solid
Date Received: 11/02/23 09:32
Percent Solids: 80.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.24	0.056	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluoropentanoic acid (PFPeA)	**0.22**	**J**	0.24	0.050	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorohexanoic acid (PFHxA)	**0.16**	**J**	0.24	0.038	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluoroheptanoic acid (PFHpA)	**0.22**	**J**	0.24	0.046	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorooctanoic acid (PFOA)	**0.34**		0.24	0.065	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorononanoic acid (PFNA)	**0.28**		0.24	0.027	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorodecanoic acid (PFDA)	**0.27**		0.24	0.059	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluoroundecanoic acid (PFUnA)	**0.18**	**J**	0.24	0.051	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorododecanoic acid (PFDoA)	**0.13**	**J**	0.24	0.037	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorotridecanoic acid (PFTriA)	**0.064**	**J**	0.24	0.026	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorotetradecanoic acid (PFTeA)	**0.093**	**J**	0.24	0.045	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.046	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.035	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.24	0.060	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.48**	**I**	0.24	0.052	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.063	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.040	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.029**	**J**	0.24	0.028	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.24	0.059	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
6:2 FTS	ND		0.24	0.033	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1
8:2 FTS	**0.19**	**J**	0.24	0.043	ug/Kg	☼	11/11/23 10:01	11/14/23 20:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C5 PFPeA	*73*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C2 PFHxA	*78*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C4 PFHpA	*83*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C4 PFOA	*84*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C5 PFNA	*80*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C2 PFDA	*77*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C2 PFUnA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C2 PFDoA	*70*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C3 PFBS	*73*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
18O2 PFHxS	*78*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C4 PFOS	*67*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
13C8 FOSA	*78*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
M2-6:2 FTS	*97*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*
M2-8:2 FTS	*123*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:03*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-719647/1-A
Matrix: Solid
Analysis Batch: 720008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/11/23 10:01	11/13/23 23:59	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*46*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFHxA	*88*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C4 PFHpA	*90*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C4 PFOA	*86*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C5 PFNA	*92*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFUnA	*94*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFDoA	*93*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C3 PFBS	*82*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
18O2 PFHxS	*88*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C4 PFOS	*82*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C8 FOSA	*95*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
d3-NMeFOSAA	*111*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
d5-NEtFOSAA	*130*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-719647/2-A
Matrix: Solid
Analysis Batch: 720008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.91		ug/Kg		95	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.01		ug/Kg		100	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.99		ug/Kg		99	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.87		ug/Kg		94	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.86		ug/Kg		93	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.97		ug/Kg		99	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.25		ug/Kg		112	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.12		ug/Kg		106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.99		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.68		ug/Kg		94	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.67		ug/Kg		92	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.89		ug/Kg		99	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.01		ug/Kg		108	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.09		ug/Kg		108	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.07		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.96		ug/Kg		98	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.06		ug/Kg		108	73 - 139
8:2 FTS	1.92	1.91		ug/Kg		99	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*38*		*25 - 150*
13C5 PFPeA	*74*		*25 - 150*
13C2 PFHxA	*77*		*25 - 150*
13C4 PFHpA	*85*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*83*		*25 - 150*
13C2 PFTeDA	*90*		*25 - 150*
13C3 PFBS	*77*		*25 - 150*
18O2 PFHxS	*85*		*25 - 150*
13C4 PFOS	*73*		*25 - 150*
13C8 FOSA	*88*		*25 - 150*
d3-NMeFOSAA	*109*		*25 - 150*
d5-NEtFOSAA	*115*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-719647/2-A
Matrix: Solid
Analysis Batch: 720008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719647

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	80		25 - 150
M2-8:2 FTS	83		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164710-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 719647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164710-2	SSHS-IRM5A2-A8PH4-S13	Total/NA	Solid	SHAKE	
180-164710-7	SSHS-IRM5A2-A8PH4-S18	Total/NA	Solid	SHAKE	
180-164710-12	SSHS-IRM5A2-A8PH4-B8	Total/NA	Solid	SHAKE	
MB 320-719647/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-719647/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 720008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164710-2	SSHS-IRM5A2-A8PH4-S13	Total/NA	Solid	537 (modified)	719647
180-164710-7	SSHS-IRM5A2-A8PH4-S18	Total/NA	Solid	537 (modified)	719647
MB 320-719647/1-A	Method Blank	Total/NA	Solid	537 (modified)	719647
LCS 320-719647/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	719647

Analysis Batch: 720286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164710-12	SSHS-IRM5A2-A8PH4-B8	Total/NA	Solid	537 (modified)	719647

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044		
Phone: 40-381-4333	PO #: MN0832I	
Email: akrasnopoler@geosyntec.com	WO #:	
Project Name: Former Sperry Remington Site	Project #: 18013464	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-S12	11/1/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S13	11/1/23	1350	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S14	11/1/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S15	11/1/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S16	11/1/23	1405	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-A8PH4-S17	11/1/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S18	11/1/23	1415	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S19	11/1/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B6	11/1/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B7	11/1/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP324	11/1/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B8	11/1/23	1435	G	S	N	N	X	X	X	X	X	X	8	

180-164710 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 11/1/23 16:00	Company: Geosyntec	Received by:	Date/Time: 11-2-23 0932	Company: EA HVt
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/16/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s)	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	PO #: MN08321
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec com	Project #: 18013464
Project Name: Former Sperry Remington Site	SSOW#:
Site:	

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-A8PH4-B9	11/1/23	1440	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-A8PH4-B10	11/1/23	1445	G	S	N	N	X	X	X	X										6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 11/1/23 16:00	Company: Geosyntec	Received by:	Date/Time: 11-2-23 0932	Company: EPI TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

11/16/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-164710 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containe	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-S12	11/1/23	1345	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S13	11/1/23	1350	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S14	11/1/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S15	11/1/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S16	11/1/23	1405	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-A8PH4-S17	11/1/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S18	11/1/23	1415	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S19	11/1/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B6	11/1/23	1425	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B7	11/1/23	1430	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP324	11/1/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B8	11/1/23	1435	G	S	N	N	X	X	X	X	X	X	8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Zach Miller	Date/Time: 11/1/23 16:00	Company: Geosyntec	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time:	Company
	11/02/23 0930	GETSAC
Received by:	Date/Time:	Company
Received by:	Date/Time:	Company

Custody Seals Intact: (Δ Yes) Δ No | Custody Seal No.: 1975575 | Cooler Temperature(s) °C and Other Remarks: 5.4 °C

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-B9	11/1/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B10	11/1/23	1445	G	S	N	N	X	X	X	X			6	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Zach Miller	Date/Time: 11/1/23 16:00	Company: Geosyntec	Received by:	Date/Time: 11/02/23 0930	Company EETRL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1975575 | Cooler Temperature(s) °C and Other Remarks: 5.4 °C

Ver: 01/16/2019

Page 20 of 23

11/16/2023

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Job:___ 180-164710 Field Sheet ___

Tracking # : 7739 1125 2628

SO (PO) FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 206 Corr. Factor: (+ / -) NA °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1975575

Cooler ID: _____

Temp Observed: 5.4 °C Corrected: 5.4 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DM Date: 11/07/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☐
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 11/7/23

Notes:_____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 11/7/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164710-2

Login Number: 164710
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164710-2

Login Number: 164710
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1975575
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 11/20/2023 4:51:51 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-164770-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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11/20/2023 4:51:51 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Receipt Checklists 20

Job ID: 180-164770-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164770-2

Receipt
The samples were received on 11/3/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.3º C and 4.4º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (CCB 320-720279/4). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The continuing calibration verification (CCVIS) associated with batch 320-720279 (CCVIS 320-720279/6) recovered above the upper control limit for isotope dilution analyte (IDA) d5-NEtFOSAA. The associated target analyte, N-ethylperfluorooctanesulfonamidoacetic acid NEtFOSAA, was within control limits in the CCV; therefore, the data is reported.

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-720286 (CCV 320-720286/12) recovered above the upper control limit for isotope dilution analyte (IDA) d5-NEtFOSAA. The associated target analyte, N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA), was within control limits in the CCV; therefore, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164770-1	SSHS-IRM5A2-A8PH4-S20	Solid	11/02/23 15:45	11/03/23 09:30
180-164770-5	SSHS-IRM5A2-A8PH4-B11	Solid	11/02/23 16:05	11/03/23 09:30
180-164770-6	SSHS-IRM5A2-DUP325	Solid	11/02/23 00:00	11/03/23 09:30

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S20
Lab Sample ID: 180-164770-1
Date Collected: 11/02/23 15:45
Matrix: Solid
Date Received: 11/03/23 09:30
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.0 mL	719647	11/11/23 10:01	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	720286	11/14/23 20:14	C1P	EET SAC
	Instrument ID: A29									

Client Sample ID: SSHS-IRM5A2-A8PH4-B11
Lab Sample ID: 180-164770-5
Date Collected: 11/02/23 16:05
Matrix: Solid
Date Received: 11/03/23 09:30
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.25 g	10.0 mL	719647	11/11/23 10:01	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	720286	11/14/23 20:25	C1P	EET SAC
	Instrument ID: A29									

Client Sample ID: SSHS-IRM5A2-DUP325
Lab Sample ID: 180-164770-6
Date Collected: 11/02/23 00:00
Matrix: Solid
Date Received: 11/03/23 09:30
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.0 mL	719647	11/11/23 10:01	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721079	11/17/23 15:09	K1S	EET SAC
	Instrument ID: A26									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

C1P = Chawaporn Photiboon

K1S = Kotechakon Sorndee

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S20
Lab Sample ID: 180-164770-1
Date Collected: 11/02/23 15:45
Matrix: Solid
Date Received: 11/03/23 09:30
Percent Solids: 84.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.22	0.051	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluoropentanoic acid (PFPeA)	**0.20**	**J**	0.22	0.046	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorohexanoic acid (PFHxA)	**0.074**	**J**	0.22	0.035	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluoroheptanoic acid (PFHpA)	**0.047**	**J**	0.22	0.042	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorooctanoic acid (PFOA)	**0.15**	**J**	0.22	0.059	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorononanoic acid (PFNA)	**0.098**	**J**	0.22	0.025	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.054	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.047	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.034	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorotridecanoic acid (PFTriA)	ND		0.22	0.023	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.041	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.042	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.032	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.22	0.055	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorooctanesulfonic acid (PFOS)	**0.61**		0.22	0.048	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.058	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.037	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.22	0.026	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.22	0.054	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
6:2 FTS	ND		0.22	0.030	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1
8:2 FTS	ND		0.22	0.039	ug/Kg	☼	11/11/23 10:01	11/14/23 20:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C5 PFPeA	*71*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C2 PFHxA	*78*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C4 PFHpA	*72*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C4 PFOA	*83*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C5 PFNA	*78*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C2 PFDA	*74*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C2 PFUnA	*85*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C2 PFDoA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C3 PFBS	*65*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
18O2 PFHxS	*71*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C4 PFOS	*70*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
13C8 FOSA	*74*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:14*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-B11
Lab Sample ID: 180-164770-5
Date Collected: 11/02/23 16:05
Matrix: Solid
Date Received: 11/03/23 09:30
Percent Solids: 94.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.047	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorooctanoic acid (PFOA)	**0.067**	**J**	0.20	0.054	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**	**J**	0.20	0.044	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1
8:2 FTS	ND		0.20	0.035	ug/Kg	☼	11/11/23 10:01	11/14/23 20:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*47*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C5 PFPeA	*71*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C2 PFHxA	*81*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C4 PFHpA	*82*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C4 PFOA	*86*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C5 PFNA	*80*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C2 PFDA	*85*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C2 PFUnA	*83*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C2 PFDoA	*81*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C3 PFBS	*57*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
18O2 PFHxS	*68*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C4 PFOS	*59*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
13C8 FOSA	*81*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
M2-6:2 FTS	*68*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*11/11/23 10:01*	*11/14/23 20:25*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-DUP325
Lab Sample ID: 180-164770-6
Date Collected: 11/02/23 00:00
Matrix: Solid
Date Received: 11/03/23 09:30
Percent Solids: 93.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.076**	**J**	0.20	0.047	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.042	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.032	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.039	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorooctanoic acid (PFOA)	**0.071**	**J**	0.20	0.054	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorononanoic acid (PFNA)	**0.022**	**J**	0.20	0.022	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.049	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.043	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.031	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.038	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.039	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.050	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.20	0.044	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.053	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.034	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.049	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
6:2 FTS	ND		0.20	0.027	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1
8:2 FTS	ND		0.20	0.036	ug/Kg	☼	11/11/23 10:01	11/17/23 15:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*44*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C5 PFPeA	*76*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C2 PFHxA	*77*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C4 PFHpA	*81*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C4 PFOA	*79*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C5 PFNA	*82*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C2 PFDA	*80*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C2 PFUnA	*83*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C2 PFDoA	*85*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C3 PFBS	*59*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
18O2 PFHxS	*61*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C4 PFOS	*59*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
13C8 FOSA	*75*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*11/11/23 10:01*	*11/17/23 15:09*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-719647/1-A
Matrix: Solid
Analysis Batch: 720008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/11/23 10:01	11/13/23 23:59	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/11/23 10:01	11/13/23 23:59	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*46*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C5 PFPeA	*77*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFHxA	*88*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C4 PFHpA	*90*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C4 PFOA	*86*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C5 PFNA	*92*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFDA	*94*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFUnA	*94*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFDoA	*93*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C3 PFBS	*82*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
18O2 PFHxS	*88*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C4 PFOS	*82*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
13C8 FOSA	*95*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
d3-NMeFOSAA	*111*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
d5-NEtFOSAA	*130*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*11/11/23 10:01*	*11/13/23 23:59*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-719647/2-A
Matrix: Solid
Analysis Batch: 720008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.91		ug/Kg		95	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	2.01		ug/Kg		100	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.99		ug/Kg		99	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	2.00		ug/Kg		100	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.87		ug/Kg		94	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.01		ug/Kg		101	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.86		ug/Kg		93	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.97		ug/Kg		99	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	2.25		ug/Kg		112	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	2.12		ug/Kg		106	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.99		ug/Kg		99	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.68		ug/Kg		94	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.67		ug/Kg		92	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.89		ug/Kg		99	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.01		ug/Kg		108	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	2.09		ug/Kg		108	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	2.07		ug/Kg		103	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.96		ug/Kg		98	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	72 - 132
6:2 FTS	1.90	2.06		ug/Kg		108	73 - 139
8:2 FTS	1.92	1.91		ug/Kg		99	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*38*		*25 - 150*
13C5 PFPeA	*74*		*25 - 150*
13C2 PFHxA	*77*		*25 - 150*
13C4 PFHpA	*85*		*25 - 150*
13C4 PFOA	*88*		*25 - 150*
13C5 PFNA	*81*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*83*		*25 - 150*
13C2 PFTeDA	*90*		*25 - 150*
13C3 PFBS	*77*		*25 - 150*
18O2 PFHxS	*85*		*25 - 150*
13C4 PFOS	*73*		*25 - 150*
13C8 FOSA	*88*		*25 - 150*
d3-NMeFOSAA	*109*		*25 - 150*
d5-NEtFOSAA	*115*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-719647/2-A
Matrix: Solid
Analysis Batch: 720008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719647

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	80		25 - 150
M2-8:2 FTS	83		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164770-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 719647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164770-1	SSHS-IRM5A2-A8PH4-S20	Total/NA	Solid	SHAKE	
180-164770-5	SSHS-IRM5A2-A8PH4-B11	Total/NA	Solid	SHAKE	
180-164770-6	SSHS-IRM5A2-DUP325	Total/NA	Solid	SHAKE	
MB 320-719647/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-719647/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 720008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-719647/1-A	Method Blank	Total/NA	Solid	537 (modified)	719647
LCS 320-719647/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	719647

Analysis Batch: 720286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164770-1	SSHS-IRM5A2-A8PH4-S20	Total/NA	Solid	537 (modified)	719647
180-164770-5	SSHS-IRM5A2-A8PH4-B11	Total/NA	Solid	537 (modified)	719647

Analysis Batch: 721079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164770-6	SSHS-IRM5A2-DUP325	Total/NA	Solid	537 (modified)	719647

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No.: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:
City: Columbia	TAT Requested (days): Standard
State, Zip: MD, 21044	PO #: MN0832l
Phone: 40-381-4333	WO #:
Email: akrasnopoler@geosyntec.com	Project #: 18013464
Project Name: Former Sperry Remington Site	SSOW#:
Site:	

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH4-S20	11/2/23	1545	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S21	11/2/23	1550	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S22	11/2/23	1555	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S23	11/2/23	1600	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B11	11/2/23	1605	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP325	11/2/23	-	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-B12	11/2/23	1610	G	S	N	N	X	X	X	X									6	

180-164770 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/2/2023/1730	Company: Geosyntec	Received by:	Date/Time: 11-3-23 0930	Company: EPI-TN
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH4-S20	11/2/23	1545	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S21	11/2/23	1550	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S22	11/2/23	1555	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S23	11/2/23	1600	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B11	11/2/23	1605	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-DUP325	11/2/23	-	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-B12	11/2/23	1610	G	S	N	N	X	X	X	X									6	

180-164770 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/2/2023/1730	Company: Geosyntec		11/3/23 930	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.3

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Tracking # : 7739 1135 1142

Job:_____ 180-164770 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 010 Corr. Factor: (+ / -) _____ °C

Ice - Wet_____ Gel _____ Other _____

Cooler Custody Seal: 1975583

Cooler ID: _____

Temp Observed: 4.3 °C Corrected: 4.3 °C

From: Temp Blank ☐ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☐	☐
Cooler Temperature is acceptable?	☐	☐	☐
Frozen samples show signs of thaw?	☐	☐	☐

Initials: JF Date: 11/3/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☐	☐	☐
Samples compromised/tampered with?	☐	☐	☐
COC is complete w/o discrepancies	☐	☐	☐
Sample custody seal?	☐	☐	☐
Sample containers have legible labels?	☐	☐	☐
Sample date/times are provided?	☐	☐	☐
Appropriate containers are used?	☐	☐	☐
Sample bottles are completely filled?	☐	☐	☐
Sample preservatives verified?	☐	☐	☐
Is the Field Sampler's name on COC?	☐	☐	☐
Samples w/o discrepancies?	☐	☐	☐
Zero headspace?*	☐	☐	☐
Alkalinity has no headspace?	☐	☐	☐
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☐
Multiphasic samples are not present?	☐	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 11.3.23

Notes:_____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☐	☐	☐
NCM Filed?	☐	☐	☐
Samples received within hold time?	☐	☐	☐
Log Release checked in TALS?	☐	☐	☐

Initials: _____ Date: 11.3.23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164770-2

Login Number: 164770
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164770-2

Login Number: 164770
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins Sacramento
List Creation: 11/03/23 05:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1975583
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	False	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/2/2023 10:35:16 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-164972-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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12/2/2023 10:35:16 AM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-164972-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-164972-2

Receipt
The samples were received on 11/8/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 1.8º C and 3.7º C.

LCMS
Method 537 (modified): Perfluorooctanesulfonic acid (PFOS) results for sample SSHS-IRM5A2-A8PH4-S30 (180-164972-1) were reported from the analysis of a diluted extract due to the high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): The method blank for preparation batch 320-720059 contained Perfluorooctanesulfonic acid (PFOS) above the reporting limit (RL). The associated sample was not re-extracted and/or re-analyzed because the sample result was greater than 10X the value found in the method blank.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: SSHS-IRM5A2-A8PH4-S30 (180-164972-1), SSHS-IRM5A2-A8PH4-S34 (180-164972-5), and SSHS-IRM5A2-A8PH4-B18 (180-164972-10). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The low level continuing calibration verification (CCVL) and the continuing calibration verification internal standard (CCVIS) associated with batch 320-721726 recovered above the upper control limit for one or more of the following isotope dilution analyte (IDA): M2-6:2 FTS and M2-8:2 FTS . The associated target analytes, 4:2 FTS, 6:2 FTS, 8:2 FTS and 10:2-FTS, were within control limits in the CCVL and the CCVIS; therefore, the data is reported: (CCVIS 320-721726/6) and (CCVL 320-721726/5).

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-721731 recovered above the upper control limit for the following isotope dilution analyte (IDA) M2-6:2 FTS and M2-8:2 FTS . The associated target analytes, 6:2 FTS and 8:2 FTS, were within control limits in the CCV; therefore, the data is reported: (CCV 320-721731/1) and (CCV 320-721731/11).

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (CCB 320-721726/4). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164972-1	SSHS-IRM5A2-A8PH4-S30	Solid	11/07/23 13:45	11/08/23 09:45
180-164972-5	SSHS-IRM5A2-A8PH4-S34	Solid	11/07/23 14:05	11/08/23 09:45
180-164972-10	SSHS-IRM5A2-A8PH4-B18	Solid	11/07/23 14:25	11/08/23 09:45

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S30
Lab Sample ID: 180-164972-1
Date Collected: 11/07/23 13:45
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.14 g	10.0 mL	720059	11/13/23 20:25	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721731	11/20/23 18:32	RS1	EET SAC
	Instrument ID: A15									
Total/NA	Prep	SHAKE	DL		5.14 g	10.0 mL	720059	11/13/23 20:25	PV	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	723677	11/30/23 02:13	S1C	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A8PH4-S34
Lab Sample ID: 180-164972-5
Date Collected: 11/07/23 14:05
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.44 g	10.0 mL	720059	11/13/23 20:25	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721731	11/20/23 18:42	RS1	EET SAC
	Instrument ID: A15									

Client Sample ID: SSHS-IRM5A2-A8PH4-B18
Lab Sample ID: 180-164972-10
Date Collected: 11/07/23 14:25
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.36 g	10.0 mL	720059	11/13/23 20:25	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721731	11/20/23 18:52	RS1	EET SAC
	Instrument ID: A15									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

RS1 = Rungtip Sanjumnai

S1C = Sudarat Chanprathad

Client Sample ID: SSHS-IRM5A2-A8PH4-S30
Lab Sample ID: 180-164972-1

Date Collected: 11/07/23 13:45
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 78.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.2**		0.25	0.057	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluoropentanoic acid (PFPeA)	**0.46**		0.25	0.051	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorohexanoic acid (PFHxA)	**0.39**		0.25	0.038	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluoroheptanoic acid (PFHpA)	**0.37**		0.25	0.047	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorooctanoic acid (PFOA)	**3.7**		0.25	0.066	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorononanoic acid (PFNA)	**0.92**		0.25	0.027	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorodecanoic acid (PFDA)	**0.27**		0.25	0.059	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluoroundecanoic acid (PFUnA)	**0.18**	**J**	0.25	0.052	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorododecanoic acid (PFDoA)	**0.049**	**J**	0.25	0.037	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorotridecanoic acid (PFTriA)	**0.037**	**J**	0.25	0.026	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.25	0.046	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.25	0.047	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorohexanesulfonic acid (PFHxS)	**0.066**	**J**	0.25	0.036	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.10**	**J**	0.25	0.061	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.25	0.064	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
Perfluorooctanesulfonamide (FOSA)	**0.27**		0.25	0.041	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.25	0.028	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**1.2**		0.25	0.059	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
6:2 FTS	ND		0.25	0.033	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1
8:2 FTS	ND		0.25	0.043	ug/Kg	☼	11/13/23 20:25	11/20/23 18:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C5 PFPeA	*58*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C2 PFHxA	*63*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C4 PFHpA	*58*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C4 PFOA	*76*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C5 PFNA	*67*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C2 PFDA	*67*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C2 PFUnA	*59*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C2 PFDoA	*51*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C2 PFTeDA	*51*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C3 PFBS	*60*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
18O2 PFHxS	*63*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C4 PFOS	*94*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
13C8 FOSA	*62*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
d3-NMeFOSAA	*65*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
d5-NEtFOSAA	*70*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
M2-6:2 FTS	*231*	**5+*	*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*
M2-8:2 FTS	*227*	**5+*	*25 - 150*	*11/13/23 20:25*	*11/20/23 18:32*	*1*

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**63**	**B**	1.2	0.27	ug/Kg	☼	11/13/23 20:25	11/30/23 02:13	5

Client Sample ID: SSHS-IRM5A2-A8PH4-S30
Lab Sample ID: 180-164972-1

Date Collected: 11/07/23 13:45
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 78.6

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	69		25 - 150	11/13/23 20:25	11/30/23 02:13	5

Client Sample ID: SSHS-IRM5A2-A8PH4-S34
Lab Sample ID: 180-164972-5

Date Collected: 11/07/23 14:05
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 81.0

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.052	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.047	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.035	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.043	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.060	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.025	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.054	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.048	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.034	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorotridecanoic acid (PFTriA)	ND		0.23	0.024	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.042	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.043	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.23	0.049	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.059	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.037	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.054	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	11/13/23 20:25	11/20/23 18:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C5 PFPeA	77		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C2 PFHxA	77		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C4 PFHpA	74		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C4 PFOA	80		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C5 PFNA	68		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C2 PFDA	71		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C2 PFUnA	72		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C2 PFDoA	68		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C2 PFTeDA	51		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C3 PFBS	78		25 - 150	11/13/23 20:25	11/20/23 18:42	1
18O2 PFHxS	79		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C4 PFOS	77		25 - 150	11/13/23 20:25	11/20/23 18:42	1
13C8 FOSA	76		25 - 150	11/13/23 20:25	11/20/23 18:42	1
d3-NMeFOSAA	74		25 - 150	11/13/23 20:25	11/20/23 18:42	1
d5-NEtFOSAA	86		25 - 150	11/13/23 20:25	11/20/23 18:42	1
M2-6:2 FTS	164	*5+	25 - 150	11/13/23 20:25	11/20/23 18:42	1
M2-8:2 FTS	189	*5+	25 - 150	11/13/23 20:25	11/20/23 18:42	1

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-B18
Lab Sample ID: 180-164972-10
Date Collected: 11/07/23 14:25
Matrix: Solid
Date Received: 11/08/23 09:45
Percent Solids: 90.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.048	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.042	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.032	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.039	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.055	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.023	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.050	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.043	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.031	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorotridecanoic acid (PFTriA)	ND		0.21	0.022	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.038	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.039	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.030	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.21	0.051	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.21	0.045	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.054	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.034	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.21	0.024	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.21	0.050	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
6:2 FTS	ND		0.21	0.028	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1
8:2 FTS	ND		0.21	0.036	ug/Kg	☼	11/13/23 20:25	11/20/23 18:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C5 PFPeA	*74*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C2 PFHxA	*74*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C4 PFHpA	*76*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C4 PFOA	*84*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C5 PFNA	*79*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C2 PFDA	*81*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C2 PFUnA	*83*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C2 PFDoA	*74*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C2 PFTeDA	*67*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C3 PFBS	*67*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
18O2 PFHxS	*75*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C4 PFOS	*77*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
13C8 FOSA	*79*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
M2-6:2 FTS	*148*		*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*
M2-8:2 FTS	*182*	**5+*	*25 - 150*	*11/13/23 20:25*	*11/20/23 18:52*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-720059/1-A
Matrix: Solid
Analysis Batch: 720604

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorooctanesulfonic acid (PFOS)	0.433		0.20	0.043	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/13/23 20:25	11/16/23 09:33	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/13/23 20:25	11/16/23 09:33	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*51*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C5 PFPeA	*82*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C2 PFHxA	*80*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C4 PFHpA	*79*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C4 PFOA	*84*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C5 PFNA	*74*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C2 PFDA	*75*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C2 PFUnA	*77*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C2 PFDoA	*77*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C3 PFBS	*78*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
18O2 PFHxS	*69*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C4 PFOS	*69*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
13C8 FOSA	*71*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
d3-NMeFOSAA	*74*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*11/13/23 20:25*	*11/16/23 09:33*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-720059/2-A
Matrix: Solid
Analysis Batch: 720604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.95		ug/Kg		98	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.93		ug/Kg		97	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.80		ug/Kg		90	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.93		ug/Kg		97	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.82		ug/Kg		91	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.96		ug/Kg		98	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.89		ug/Kg		95	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.92		ug/Kg		96	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.94		ug/Kg		97	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.95		ug/Kg		97	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.90		ug/Kg		95	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.58		ug/Kg		89	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.53		ug/Kg		84	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.95		ug/Kg		102	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.76		ug/Kg		94	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.80		ug/Kg		94	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.84		ug/Kg		92	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.91		ug/Kg		95	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.73		ug/Kg		86	72 - 132
6:2 FTS	1.90	1.76		ug/Kg		92	73 - 139
8:2 FTS	1.92	1.87		ug/Kg		97	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*44*		*25 - 150*
13C5 PFPeA	*83*		*25 - 150*
13C2 PFHxA	*86*		*25 - 150*
13C4 PFHpA	*88*		*25 - 150*
13C4 PFOA	*86*		*25 - 150*
13C5 PFNA	*80*		*25 - 150*
13C2 PFDA	*83*		*25 - 150*
13C2 PFUnA	*81*		*25 - 150*
13C2 PFDoA	*84*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*88*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*83*		*25 - 150*
13C8 FOSA	*81*		*25 - 150*
d3-NMeFOSAA	*88*		*25 - 150*
d5-NEtFOSAA	*93*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-720059/2-A
Matrix: Solid
Analysis Batch: 720604

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720059

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	121		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 720059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1	SSHS-IRM5A2-A8PH4-S30	Total/NA	Solid	SHAKE	
180-164972-1 - DL	SSHS-IRM5A2-A8PH4-S30	Total/NA	Solid	SHAKE	
180-164972-5	SSHS-IRM5A2-A8PH4-S34	Total/NA	Solid	SHAKE	
180-164972-10	SSHS-IRM5A2-A8PH4-B18	Total/NA	Solid	SHAKE	
MB 320-720059/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-720059/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 720604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-720059/1-A	Method Blank	Total/NA	Solid	537 (modified)	720059
LCS 320-720059/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	720059

Analysis Batch: 721731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1	SSHS-IRM5A2-A8PH4-S30	Total/NA	Solid	537 (modified)	720059
180-164972-5	SSHS-IRM5A2-A8PH4-S34	Total/NA	Solid	537 (modified)	720059
180-164972-10	SSHS-IRM5A2-A8PH4-B18	Total/NA	Solid	537 (modified)	720059

Analysis Batch: 723677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1 - DL	SSHS-IRM5A2-A8PH4-S30	Total/NA	Solid	537 (modified)	720059

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044	PO #: MN0832I	
Phone: 40-381-4333	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH4-S30	11/7/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S31	11/7/23	1350	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S32	11/7/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S33	11/7/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S34	11/7/23	1405	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S35	11/7/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B16	11/7/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP328	11/7/23	-	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B17	11/7/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B18	11/7/23	1425	G	S	N	N	X	X	X	X	X	X							8	

180-164972 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 11/7/23 15:30	Company: Geosyntec	Received by:	Date/Time: 11-8-23 0945	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9658.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-164972 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-A8PH4-S30	11/7/23	1345	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S31	11/7/23	1350	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S32	11/7/23	1355	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S33	11/7/23	1400	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-S34	11/7/23	1405	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-A8PH4-S35	11/7/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B16	11/7/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-DUP328	11/7/23	-	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B17	11/7/23	1420	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-A8PH4-B18	11/7/23	1425	G	S	N	N	X	X	X	X	X	X	8	

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Zach Miller	Date/Time: 11/7/23 15:30	Company: Geosyntec	Received by:	Date/Time: 11/8/23 0930	Company: EETSAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1975576 | Cooler Temperature(s) °C and Other Remarks: 3.7

Ver: 01/16/2019

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

180-164972 Field Sheet

Tracking # : 7740 0346 9060

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 102 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 1975576

Cooler ID: _____

Temp Observed: 3.7 °C Corrected: 3.7 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MV Date: 11/8/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 11/8/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 11/8/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164972-2

Login Number: 164972
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164972-2

Login Number: 164972
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 11/08/23 04:46 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1975576
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

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JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-165688-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-165688-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-165688-2

Receipt
The samples were received on 11/21/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9º C and 5.0º C.

LCMS
Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: SSHS-IRM5A2-SCV102-1-2 (180-165688-6). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (CCB 320-725676/1). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-725676 (CCV 320-725676/31) recovered above the upper control limit for isotope dilution analyte (IDA, d3-NMeFOSAA. The associated target analyte, N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA), was within control limits in the CCV; therefore, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Solid	11/20/23 15:30	11/21/23 09:20

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6

Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.48 g	10.0 mL	724074	11/30/23 21:08	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	725676	12/07/23 13:55	S1C	EET SAC
	Instrument ID: A29									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

S1C = Sudarat Chanprathad

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6

Date Collected: 11/20/23 15:30
Matrix: Solid

Date Received: 11/21/23 09:20
Percent Solids: 98.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.047**	**J**	0.19	0.043	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluoropentanoic acid (PFPeA)	**0.098**	**J**	0.19	0.038	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorohexanoic acid (PFHxA)	**0.098**	**J**	0.19	0.029	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.035	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.049	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorononanoic acid (PFNA)	**0.023**	**J**	0.19	0.020	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.044	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.039	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.028	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorotridecanoic acid (PFTriA)	ND		0.19	0.019	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.034	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.035	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.027	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.045	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.040	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.048	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.031	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.021	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.044	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
6:2 FTS	ND		0.19	0.025	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1
8:2 FTS	ND		0.19	0.032	ug/Kg	☼	11/30/23 21:08	12/07/23 13:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*64*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C5 PFPeA	*95*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C2 PFHxA	*102*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C4 PFHpA	*97*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C4 PFOA	*108*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C5 PFNA	*104*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C2 PFDA	*115*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C2 PFUnA	*114*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C2 PFDoA	*108*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C2 PFTeDA	*116*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C3 PFBS	*87*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
18O2 PFHxS	*86*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C4 PFOS	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
13C8 FOSA	*111*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
d3-NMeFOSAA	*145*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
d5-NEtFOSAA	*152*	*5+	*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:55*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-724074/1-A
Matrix: Solid
Analysis Batch: 725676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/30/23 21:08	12/07/23 13:33	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*56*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C5 PFPeA	*86*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFHxA	*83*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C4 PFHpA	*80*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C4 PFOA	*89*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFDA	*102*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFUnA	*101*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFDoA	*98*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C3 PFBS	*91*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
18O2 PFHxS	*91*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C4 PFOS	*97*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C8 FOSA	*103*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
d3-NMeFOSAA	*132*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
d5-NEtFOSAA	*133*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-724074/2-A
Matrix: Solid
Analysis Batch: 725676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.84		ug/Kg		92	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.69		ug/Kg		85	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.84		ug/Kg		92	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.73		ug/Kg		87	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.67		ug/Kg		83	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.91		ug/Kg		96	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.89		ug/Kg		95	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.78		ug/Kg		89	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.68		ug/Kg		84	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.61		ug/Kg		91	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.55		ug/Kg		85	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.65		ug/Kg		87	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.80		ug/Kg		97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.68		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.75		ug/Kg		87	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.71		ug/Kg		86	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.95		ug/Kg		98	72 - 132
6:2 FTS	1.90	1.75		ug/Kg		92	73 - 139
8:2 FTS	1.92	1.79		ug/Kg		93	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*59*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*84*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*99*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*96*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*95*		*25 - 150*
13C8 FOSA	*107*		*25 - 150*
d3-NMeFOSAA	*148*		*25 - 150*
d5-NEtFOSAA	*139*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-724074/2-A
Matrix: Solid
Analysis Batch: 725676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724074

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	91		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 724074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	SHAKE	
MB 320-724074/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-724074/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 725676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	537 (modified)	724074
MB 320-724074/1-A	Method Blank	Total/NA	Solid	537 (modified)	724074
LCS 320-724074/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	724074

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV101-0-0.17	11/20/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV101-0.17-1	11/20/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV102-0-0.17	11/20/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV-DUP26	11/20/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV102-0.17-1	11/20/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV102-1-2	11/20/23	1530	G	S	N	N	X	X	X	X	X	X	8	

180-165688 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _ Date: Time: Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Miranda Stalker	11/20/23/1700	Geosyntec		11-21-23 0920	Fed Ex
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

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Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-SCV101-0-0.17	11/20/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV101-0.17-1	11/20/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV102-0-0.17	11/20/23	1520	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV-DUP26	11/20/23	–	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV102-0.17-1	11/20/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV102-1-2	11/20/23	1530	G	S	N	N	X	X	X	X	X	X							8	

180-165688 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/20/23/1700	Company: Geosyntec	Received by:	Date/Time: 11/21/23 0915	Company EET Buf
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.0°C

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Job: 180-165688 Field Sheet

Tracking # : 7741 7449 5511

SO / FO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L10 Corr. Factor: (+ / -) _____°C

Ice — Wet_____ Gel _____ Other _____

Cooler Custody Seal: 1975574

Cooler ID: _____

Temp Observed: 5.0 °C Corrected: 5.0 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: JF Date: 11/21/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

"Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11/21/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☐	☐	☒
Samples received within hold time?	☐	☐	☒
Log Release checked in TALS?	☐	☐	☒

Initials: SO Date: 11/21/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165688-2

Login Number: 165688
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165688-2

Login Number: 165688
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 11/21/23 01:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1975574
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/8/2023 1:42:47 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-165790-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-165790-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-165790-1

Comments
Notation was made to the COC regarding a correction to a sample depth in the ID.

Receipt
The samples were received on 11/22/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7º C and 5.1º C.

GC/MS VOA
Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-452606 recovered above the control limits for the following analyte: Trichlorofluoromethane. As this analyte was biased high in the LCS/LCSD and was not detected in the associated samples, the results were reported.

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-452762 recovered above the control limits for the following analyte: Trichlorofluoromethane. As this analyte was biased high in the LCS/LCSD and was not detected in the associated samples, the results were reported.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-SCV103-0.17-1 (180-165790-2) had the recoveries of Trichlorofluoromethane above the control limits. The RPD between the spikes was within the control limits.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-452606 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone, and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-452606 was above criteria for the following analytes: 1,4-Dioxane, Chloroethane, Chlorobromomethane, Chloromethane, and Trichlorofluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-452762 was below criteria for the following analytes: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 2-Hexanone, 4-Methyl-2-pentanone, and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-452762 was above criteria for the following analytes: Chloroethane, Chloroform, and Trichlorofluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E: The recovery of surrogate Nitrobenzene-d5 was 1% above the control limits for the following sample: SSHS-IRM5A2-SCV104-0-0.17 (180-165790-4). This is seen as an anomaly due to the remaining 5 surrogates were all well within criteria. Qualified results were reported.

Method 8270E: The laboratory control sample(LCS) for preparation batch 180-453330 recovered slightly below the control limits for the following analyte: 2,4-Dimethylphenol. 2,4-Dimethylphenol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-453463 was above criteria for the following analyte: Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Job ID: 180-165790-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-453304 (CCV 180-453304/4) was above criteria for aroclor 1248 for 2 peaks on column RTX-CLP2 and 1 peak on column RTX-CLP2. Associated sample results for aroclor 1248 did not have these peaks included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-SCV103-0.17-1 (180-165790-2) had several recoveries and RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260D	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Solid	11/21/23 14:30	11/22/23 09:00
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Solid	11/21/23 14:35	11/22/23 09:00
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Solid	11/21/23 14:40	11/22/23 09:00
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Solid	11/21/23 14:45	11/22/23 09:00
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Solid	11/21/23 14:50	11/22/23 09:00
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Solid	11/21/23 14:55	11/22/23 09:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1
Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1
Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3349 g	5 mL	452854	11/27/23 07:11	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452762	11/27/23 18:05	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453463	12/04/23 14:58	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.1 g	20.0 mL	453256	11/30/23 12:12	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	453304	12/01/23 23:01	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.66 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453006	11/28/23 15:51	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.66 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453777	12/05/23 14:15	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	453229	11/30/23 11:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453371	12/01/23 09:58	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2
Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2
Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1162 g	5 mL	452669	11/22/23 13:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 14:05	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453463	12/04/23 13:52	VVP	EET PIT
	Instrument ID: CH722									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2

Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	453256	11/30/23 12:12	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	453304	12/01/23 22:08	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.74 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453006	11/28/23 15:56	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.74 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453777	12/05/23 14:20	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	453229	11/30/23 11:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453371	12/01/23 09:59	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3

Date Collected: 11/21/23 14:40
Matrix: Solid
Date Received: 11/22/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			453980	12/07/23 15:42	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3

Date Collected: 11/21/23 14:40
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3369 g	5 mL	452669	11/22/23 13:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 18:42	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453463	12/04/23 15:19	VVP	EET PIT
	Instrument ID: CH722									
Total/NA	Prep	3541			15.2 g	20.0 mL	453256	11/30/23 12:12	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	453304	12/01/23 23:18	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.55 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453006	11/28/23 16:21	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.55 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453777	12/05/23 14:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	453229	11/30/23 11:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453371	12/01/23 10:02	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4
Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4
Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.4627 g	5 mL	452669	11/22/23 13:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 19:07	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 14:10	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	453256	11/30/23 12:12	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	453304	12/01/23 23:36	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.67 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453006	11/28/23 16:36	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.67 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453777	12/05/23 15:01	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	453229	11/30/23 11:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453371	12/01/23 10:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5
Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5
Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0065 g	5 mL	452669	11/22/23 13:27	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 19:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 14:31	VVP	EET PIT
	Instrument ID: CH731									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5

Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	20.0 mL	453256	11/30/23 12:12	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	453304	12/01/23 23:54	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.69 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453006	11/28/23 16:41	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.69 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453777	12/05/23 15:06	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	453229	11/30/23 11:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453371	12/01/23 10:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6

Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452987	11/28/23 16:35	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6

Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0465 g	5 mL	452854	11/27/23 07:12	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452762	11/27/23 15:54	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 14:52	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.1 g	20.0 mL	453256	11/30/23 12:12	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	453304	12/02/23 00:11	JMO	EET PIT
	Instrument ID: CHGC20									
Total/NA	Prep	3050B			0.60 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453006	11/28/23 16:46	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.60 g	50 mL	452789	11/27/23 08:53	NWW	EET PIT
Total/NA	Analysis	EPA 6010D		1			453777	12/05/23 15:11	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	453229	11/30/23 11:45	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453371	12/01/23 10:05	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

DVC = Daniel Capodanno
MTW = Michael Wesoloski
NWW = Nicholas Woten
PJJ = Patrick Journet
VJC = Vincent Cervone

Batch Type: Analysis

AAS = Ariana Swick
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
SNR = Sabra Richart
VVP = Vincent Piccolino
Z1M = Zee Menakruzz

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1
Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		29	4.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Benzene	ND		5.8	1.6	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Bromomethane	ND		5.8	2.6	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
2-Butanone (MEK)	ND		29	2.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Carbon disulfide	ND		5.8	4.6	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Carbon tetrachloride	ND		5.8	2.3	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Chlorobenzene	ND		5.8	1.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Chlorobromomethane	ND		5.8	3.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Chlorodibromomethane	ND		5.8	2.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Chloroethane	ND		5.8	3.4	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Chloroform	ND		5.8	3.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Chloromethane	ND		5.8	2.3	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
cis-1,2-Dichloroethene	ND		5.8	1.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
cis-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Cyclohexane	ND		5.8	2.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2-Dibromo-3-Chloropropane	ND		5.8	3.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2-Dibromoethane	ND		5.8	1.6	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2-Dichlorobenzene	ND		5.8	1.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,3-Dichlorobenzene	ND		5.8	3.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,4-Dichlorobenzene	ND		5.8	1.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Dichlorobromomethane	ND		5.8	2.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Dichlorodifluoromethane	ND		5.8	2.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,1-Dichloroethane	ND		5.8	1.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2-Dichloroethane	ND		5.8	1.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,1-Dichloroethene	ND		5.8	2.6	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2-Dichloroethene, Total	ND		12	4.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2-Dichloropropane	ND		5.8	1.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,4-Dioxane	ND		1200	87	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Ethylbenzene	ND		5.8	2.1	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
2-Hexanone	ND		29	1.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Isopropylbenzene	ND		5.8	3.0	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Methyl acetate	ND		29	8.5	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Methylcyclohexane	ND		5.8	2.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Methylene Chloride	ND		5.8	5.2	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		29	2.1	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Methyl tert-butyl ether	ND		5.8	1.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
o-Xylene	ND		5.8	2.3	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Styrene	ND		5.8	1.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,1,2,2-Tetrachloroethane	ND		5.8	1.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Tetrachloroethene	ND		5.8	2.3	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Toluene	ND		5.8	1.7	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
trans-1,2-Dichloroethene	ND		5.8	2.0	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2,3-Trichlorobenzene	ND		12	3.2	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,2,4-Trichlorobenzene	ND		5.8	2.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,1,1-Trichloroethane	ND		5.8	1.9	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,1,2-Trichloroethane	ND		5.8	1.1	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1
Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.8	1.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Trichlorofluoromethane	ND	*+	5.8	4.8	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	2.3	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Vinyl chloride	ND		5.8	4.1	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1
Xylenes, Total	ND		12	8.3	ug/Kg	☼	11/27/23 07:11	11/27/23 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*60 - 124*	*11/27/23 07:11*	*11/27/23 18:05*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*11/27/23 07:11*	*11/27/23 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*11/27/23 07:11*	*11/27/23 18:05*	*1*
Toluene-d8 (Surr)	*106*		*67 - 134*	*11/27/23 07:11*	*11/27/23 18:05*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Acenaphthylene	ND		82	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Acetophenone	ND		820	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Anthracene	ND		82	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Atrazine	ND		820	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Benzaldehyde	ND		820	51	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Benzo[a]anthracene	ND		82	37	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Benzo[a]pyrene	ND		82	36	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Benzo[b]fluoranthene	ND		82	20	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Benzo[g,h,i]perylene	ND		82	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Benzo[k]fluoranthene	ND		82	25	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4-Bromophenyl phenyl ether	ND		410	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Butyl benzyl phthalate	ND		410	280	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Caprolactam	ND		2100	270	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Carbazole	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4-Chloro-3-methylphenol	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Chrysene	ND		82	45	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Dibenz(a,h)anthracene	ND		82	52	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Dibenzofuran	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
3,3'-Dichlorobenzidine	ND		410	380	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,4-Dichlorophenol	ND		82	32	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Diethyl phthalate	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,4-Dimethylphenol	ND	*-	410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,4-Dinitrophenol	ND		4100	2500	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,4-Dinitrotoluene	ND		410	240	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1
Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
1,4-Dioxane	ND		820	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Fluoranthene	ND		82	22	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Fluorene	ND		82	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Hexachloroethane	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Indeno[1,2,3-cd]pyrene	ND		82	41	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Isophorone	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2-Methylnaphthalene	ND		82	20	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2-Methylphenol	ND		410	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Naphthalene	ND		82	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Nitrobenzene	ND		820	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Phenanthrene	ND		82	22	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Phenol	ND		410	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
Pyrene	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*44 - 105*	*12/01/23 08:37*	*12/04/23 14:58*	*1*
2-Fluorophenol (Surr)	*74*		*48 - 105*	*12/01/23 08:37*	*12/04/23 14:58*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:58*	*1*
Phenol-d5 (Surr)	*78*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:58*	*1*
Terphenyl-d14 (Surr)	*79*		*39 - 105*	*12/01/23 08:37*	*12/04/23 14:58*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*34 - 108*	*12/01/23 08:37*	*12/04/23 14:58*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.6	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1221	ND		20	7.2	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1232	ND		20	5.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1242	ND		20	3.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1248	ND		20	4.9	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1254	**21**		20	6.1	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1260	**18**	**J**	20	5.8	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1

Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		20	7.2	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1
PCB-1268	ND		20	2.7	ug/Kg	☼	11/30/23 12:12	12/01/23 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:01*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:01*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:01*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:01*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		19	8.7	mg/Kg	☼	11/27/23 08:53	12/05/23 14:15	1
Antimony	ND		0.93	0.28	mg/Kg	☼	11/27/23 08:53	12/05/23 14:15	1
Arsenic	**12**		0.93	0.58	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Barium	**93**		19	3.3	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Beryllium	**0.42**		0.37	0.10	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Cadmium	ND		0.47	0.068	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Calcium	**11000**		470	60	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Chromium	**13**		0.47	0.42	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Cobalt	**9.9**		4.7	0.66	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Copper	**37**		2.3	1.4	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Iron	**27000**		37	26	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Lead	**17**		9.3	5.9	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Magnesium	**3700**		470	51	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Manganese	**590**		1.4	1.1	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Nickel	**19**		3.7	0.47	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Potassium	**970**		470	79	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Selenium	ND		0.93	0.43	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Silver	ND		0.47	0.097	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Sodium	ND		470	48	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Thallium	ND		1.9	0.26	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Vanadium	**16**		4.7	0.74	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1
Zinc	**74**		9.3	4.2	mg/Kg	☼	11/27/23 08:53	11/28/23 15:51	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.040	0.026	mg/Kg	☼	11/30/23 11:45	12/01/23 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**18.6**		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	**81.4**		0.1	0.1	%			11/28/23 09:23	1

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2

Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Benzene	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2
Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.5	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Styrene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Toluene	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Trichlorofluoromethane	ND	*+ F1	5.5	4.6	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2
Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	11/22/23 13:27	11/22/23 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*11/22/23 13:27*	*11/22/23 14:05*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*11/22/23 13:27*	*11/22/23 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*73 - 135*	*11/22/23 13:27*	*11/22/23 14:05*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*11/22/23 13:27*	*11/22/23 14:05*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Acenaphthylene	ND		74	16	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Acetophenone	ND		740	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Anthracene	ND		74	19	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Atrazine	ND		740	160	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Benzaldehyde	ND		740	46	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Caprolactam	ND		1900	240	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Carbazole	ND		74	17	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Chrysene	ND		74	41	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Dibenzofuran	ND		360	140	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,4-Dimethylphenol	ND	*-	360	120	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4,6-Dinitro-2-methylphenol	ND		1900	630	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2
Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		740	110	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Fluoranthene	ND		74	19	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Fluorene	ND		74	14	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Hexachloroethane	ND		360	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Isophorone	ND		360	140	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2-Methylphenol	ND		360	110	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Naphthalene	ND		74	14	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Nitrobenzene	ND		740	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Phenanthrene	ND		74	20	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Phenol	ND		360	110	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
Pyrene	ND		74	17	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	12/01/23 08:37	12/04/23 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*12/01/23 08:37*	*12/04/23 13:52*	*1*
2-Fluorophenol (Surr)	*81*		*48 - 105*	*12/01/23 08:37*	*12/04/23 13:52*	*1*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*	*12/01/23 08:37*	*12/04/23 13:52*	*1*
Phenol-d5 (Surr)	*85*		*46 - 105*	*12/01/23 08:37*	*12/04/23 13:52*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*12/01/23 08:37*	*12/04/23 13:52*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*34 - 108*	*12/01/23 08:37*	*12/04/23 13:52*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1221	ND		19	6.6	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1232	ND		19	4.6	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1242	ND		19	2.7	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1248	**110**		19	4.5	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1254	**46**		19	5.6	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1260	**12**	**J**	19	5.3	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1262	ND		19	6.6	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1
PCB-1268	ND		19	2.5	ug/Kg	☼	11/30/23 12:12	12/01/23 22:08	1

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Lab Sample ID: 180-165790-2

Date Collected: 11/21/23 14:35
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 88.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*104*		*63 - 138*	*11/30/23 12:12*	*12/01/23 22:08*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*11/30/23 12:12*	*12/01/23 22:08*	*1*
Tetrachloro-m-xylene (Surr)	*96*		*55 - 135*	*11/30/23 12:12*	*12/01/23 22:08*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/30/23 12:12*	*12/01/23 22:08*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		15	7.1	mg/Kg	☼	11/27/23 08:53	12/05/23 14:20	1
Antimony	**0.41**	**J F1**	0.76	0.23	mg/Kg	☼	11/27/23 08:53	12/05/23 14:20	1
Arsenic	**8.9**		0.76	0.48	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Barium	**72**	**F1**	15	2.7	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Beryllium	**0.38**	**F1**	0.30	0.083	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Cadmium	ND	F1	0.38	0.056	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Calcium	**3800**		380	49	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Chromium	**11**	**F1**	0.38	0.35	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Cobalt	**9.5**	**F1**	3.8	0.54	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Copper	**21**	**F1 F2**	1.9	1.1	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Iron	**24000**		30	21	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Lead	**31**	**F1**	7.6	4.8	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Magnesium	**3300**	**F1**	380	42	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Manganese	**510**	**F2**	1.1	0.87	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Nickel	**18**	**F1**	3.0	0.38	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Potassium	**700**	**F1**	380	65	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Selenium	ND	F1	0.76	0.35	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Silver	ND		0.38	0.079	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Sodium	**43**	**J F1**	380	39	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Thallium	ND	F1	1.5	0.22	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Vanadium	**13**	**F1**	3.8	0.60	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1
Zinc	**53**	**F1**	7.6	3.5	mg/Kg	☼	11/27/23 08:53	11/28/23 15:56	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.034	0.022	mg/Kg	☼	11/30/23 11:45	12/01/23 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.2**		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	**88.8**		0.1	0.1	%			11/28/23 09:23	1

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3

Date Collected: 11/21/23 14:40
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 82.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.4	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Benzene	ND		5.7	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
2-Butanone (MEK)	ND		28	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Carbon disulfide	ND		5.7	4.5	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3
Date Collected: 11/21/23 14:40
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 82.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Chlorodibromomethane	**3.8**	**J**	5.7	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Chloroform	ND		5.7	3.8	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Chloromethane	ND		5.7	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Dichlorobromomethane	**3.9**	**J**	5.7	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Dichlorodifluoromethane	ND		5.7	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,4-Dioxane	ND		1100	86	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
2-Hexanone	ND		28	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.1	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Styrene	ND		5.7	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Toluene	ND		5.7	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2,3-Trichlorobenzene	ND		11	3.1	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Trichlorofluoromethane	ND	*+	5.7	4.7	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	11/22/23 13:27	11/22/23 18:42	1

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3

Date Collected: 11/21/23 14:40
Matrix: Solid

Date Received: 11/22/23 09:00
Percent Solids: 82.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*60 - 124*	*11/22/23 13:27*	*11/22/23 18:42*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*11/22/23 13:27*	*11/22/23 18:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*	*11/22/23 13:27*	*11/22/23 18:42*	*1*
Toluene-d8 (Surr)	*103*		*67 - 134*	*11/22/23 13:27*	*11/22/23 18:42*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**33**	**J**	80	23	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Acenaphthylene	**120**		80	17	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Acetophenone	ND		800	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Anthracene	**170**		80	21	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Atrazine	ND		800	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Benzaldehyde	ND		800	49	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Benzo[a]anthracene	**460**		80	36	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Benzo[a]pyrene	**510**		80	35	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Benzo[b]fluoranthene	**670**		80	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Benzo[g,h,i]perylene	**320**		80	17	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Benzo[k]fluoranthene	**190**		80	24	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
1,1'-Biphenyl	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Bis(2-chloroethoxy)methane	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Bis(2-chloroethyl)ether	ND		80	14	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Caprolactam	ND		2000	260	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Carbazole	**58**	**J**	80	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Chrysene	**530**		80	44	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Dibenz(a,h)anthracene	**85**		80	51	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Dibenzofuran	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,4-Dimethylphenol	ND	*-	390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,4-Dinitrophenol	ND		3900	2500	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,6-Dinitrotoluene	ND		390	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Fluoranthene	**810**		80	21	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Fluorene	**60**	**J**	80	16	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3
Date Collected: 11/21/23 14:40
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 82.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	41	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Hexachloroethane	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Indeno[1,2,3-cd]pyrene	**270**		80	40	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Isophorone	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2-Methylnaphthalene	**46**	**J**	80	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2-Methylphenol	ND		390	110	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Naphthalene	**79**	**J**	80	16	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Nitrobenzene	ND		800	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Phenanthrene	**510**		80	21	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Phenol	ND		390	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
Pyrene	**790**		80	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,3,4,6-Tetrachlorophenol	ND		390	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*12/01/23 08:37*	*12/04/23 15:19*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*12/01/23 08:37*	*12/04/23 15:19*	*1*
Nitrobenzene-d5 (Surr)	*73*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:19*	*1*
Phenol-d5 (Surr)	*76*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:19*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*12/01/23 08:37*	*12/04/23 15:19*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*34 - 108*	*12/01/23 08:37*	*12/04/23 15:19*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1221	ND		20	7.1	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1232	ND		20	4.9	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1242	ND		20	2.9	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1248	ND		20	4.8	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1254	**21**		20	6.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1260	ND		20	5.7	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1262	ND		20	7.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1
PCB-1268	ND		20	2.7	ug/Kg	☼	11/30/23 12:12	12/01/23 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:18*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:18*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:18*	*1*

Client Sample ID: SSHS-IRM5A2-SCV103-1-2
Lab Sample ID: 180-165790-3

Date Collected: 11/21/23 14:40
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 82.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	93		55 - 135	11/30/23 12:12	12/01/23 23:18	1

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6500		22	10	mg/Kg	☼	11/27/23 08:53	12/05/23 14:56	1
Antimony	0.55	J	1.1	0.33	mg/Kg	☼	11/27/23 08:53	12/05/23 14:56	1
Arsenic	7.2		1.1	0.69	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Barium	90		22	3.9	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Beryllium	0.28	J	0.44	0.12	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Cadmium	1.0		0.55	0.081	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Calcium	4700		550	71	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Chromium	9.5		0.55	0.50	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Cobalt	5.1	J	5.5	0.78	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Copper	26		2.8	1.7	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Iron	15000		44	31	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Lead	80		11	6.9	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Magnesium	2100		550	60	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Manganese	450		1.7	1.3	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Nickel	12		4.4	0.56	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Potassium	820		550	94	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Selenium	ND		1.1	0.51	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Silver	ND		0.55	0.11	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Sodium	62	J	550	56	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Thallium	ND		2.2	0.31	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Vanadium	12		5.5	0.87	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1
Zinc	600		11	5.0	mg/Kg	☼	11/27/23 08:53	11/28/23 16:21	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.039	0.025	mg/Kg	☼	11/30/23 11:45	12/01/23 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	17.5		0.1	0.1	%			12/07/23 15:42	1
Percent Solids (SM22 2540G)	82.5		0.1	0.1	%			12/07/23 15:42	1

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4

Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 83.2

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		28	4.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Benzene	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
2-Butanone (MEK)	ND		28	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4
Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 83.2

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Chloroform	ND		5.5	3.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Dichlorodifluoromethane	ND		5.5	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
2-Hexanone	ND		28	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
4-Methyl-2-pentanone (MIBK)	ND		28	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Styrene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Toluene	ND		5.5	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Trichlorofluoromethane	ND	*+	5.5	4.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*60 - 124*	*11/22/23 13:27*	*11/22/23 19:07*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*11/22/23 13:27*	*11/22/23 19:07*	*1*

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4
Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 83.2

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*	*11/22/23 13:27*	*11/22/23 19:07*	*1*
Toluene-d8 (Surr)	*104*		*67 - 134*	*11/22/23 13:27*	*11/22/23 19:07*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Acenaphthylene	**430**		81	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Acetophenone	ND		810	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Anthracene	**210**		81	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Atrazine	ND		810	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Benzaldehyde	ND		810	50	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Benzo[a]anthracene	**780**		81	36	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Benzo[a]pyrene	**850**		81	35	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Benzo[b]fluoranthene	**1200**		81	20	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Benzo[g,h,i]perylene	**680**		81	17	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Benzo[k]fluoranthene	**310**		81	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Caprolactam	ND		2000	260	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Carbazole	**69**	**J**	81	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2-Chloronaphthalene	ND		81	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Chrysene	**1000**		81	44	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Dibenz(a,h)anthracene	**140**		81	51	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Dibenzofuran	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,4-Dimethylphenol	ND	*-	400	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4,6-Dinitro-2-methylphenol	ND		2000	690	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Fluoranthene	**1400**		81	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Fluorene	ND		81	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Hexachlorobutadiene	ND		81	23	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4
Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 83.2

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Indeno[1,2,3-cd]pyrene	**490**		81	40	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Isophorone	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2-Methylnaphthalene	**110**		81	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2-Methylphenol	ND		400	110	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Naphthalene	**120**		81	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Nitrobenzene	ND		810	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Phenanthrene	**560**		81	22	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Phenol	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
Pyrene	**1300**		81	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*44 - 105*	*12/01/23 08:37*	*12/04/23 14:10*	*1*
2-Fluorophenol (Surr)	*91*		*48 - 105*	*12/01/23 08:37*	*12/04/23 14:10*	*1*
Nitrobenzene-d5 (Surr)	*106*	*S1+*	*46 - 105*	*12/01/23 08:37*	*12/04/23 14:10*	*1*
Phenol-d5 (Surr)	*94*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:10*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*12/01/23 08:37*	*12/04/23 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*34 - 108*	*12/01/23 08:37*	*12/04/23 14:10*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1221	ND		20	7.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1232	ND		20	4.8	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1242	ND		20	2.9	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1248	ND		20	4.8	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1254	**45**		20	6.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1260	ND		20	5.7	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1262	ND		20	7.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1
PCB-1268	ND		20	2.7	ug/Kg	☼	11/30/23 12:12	12/01/23 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:36*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:36*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:36*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:36*	*1*

Client Sample ID: SSHS-IRM5A2-SCV104-0-0.17
Lab Sample ID: 180-165790-4

Date Collected: 11/21/23 14:45
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 83.2

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6200		18	8.4	mg/Kg	☼	11/27/23 08:53	12/05/23 15:01	1
Antimony	0.53	J	0.90	0.27	mg/Kg	☼	11/27/23 08:53	12/05/23 15:01	1
Arsenic	13		0.90	0.56	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Barium	120		18	3.2	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Beryllium	0.36		0.36	0.098	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Cadmium	0.75		0.45	0.066	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Calcium	4300		450	58	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Chromium	11		0.45	0.41	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Cobalt	5.3		4.5	0.63	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Copper	41		2.2	1.4	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Iron	20000		36	25	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Lead	130		9.0	5.6	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Magnesium	1500		450	49	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Manganese	460		1.3	1.0	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Nickel	14		3.6	0.45	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Potassium	710		450	76	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Selenium	ND		0.90	0.41	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Silver	0.15	J	0.45	0.093	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Sodium	67	J	450	46	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Thallium	ND		1.8	0.25	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Vanadium	15		4.5	0.71	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1
Zinc	1300		9.0	4.1	mg/Kg	☼	11/27/23 08:53	11/28/23 16:36	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.036	0.023	mg/Kg	☼	11/30/23 11:45	12/01/23 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.8		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	83.2		0.1	0.1	%			11/28/23 09:23	1

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5

Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		32	4.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Benzene	ND		6.3	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Bromoform	ND		6.3	3.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Bromomethane	ND		6.3	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
2-Butanone (MEK)	ND		32	3.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Carbon disulfide	ND		6.3	5.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Carbon tetrachloride	ND		6.3	2.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Chlorobenzene	ND		6.3	1.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Chlorobromomethane	ND		6.3	3.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Chlorodibromomethane	ND		6.3	3.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Chloroethane	ND		6.3	3.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Chloroform	ND		6.3	4.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5
Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		6.3	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
cis-1,2-Dichloroethene	ND		6.3	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
cis-1,3-Dichloropropene	ND		6.3	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Cyclohexane	ND		6.3	3.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2-Dibromo-3-Chloropropane	ND		6.3	4.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2-Dibromoethane	ND		6.3	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2-Dichlorobenzene	ND		6.3	2.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,3-Dichlorobenzene	ND		6.3	3.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,4-Dichlorobenzene	ND		6.3	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Dichlorobromomethane	ND		6.3	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Dichlorodifluoromethane	ND		6.3	3.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,1-Dichloroethane	ND		6.3	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2-Dichloroethane	ND		6.3	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,1-Dichloroethene	ND		6.3	2.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2-Dichloroethene, Total	ND		13	5.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2-Dichloropropane	ND		6.3	1.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,4-Dioxane	ND		1300	96	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Ethylbenzene	ND		6.3	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
2-Hexanone	ND		32	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Isopropylbenzene	ND		6.3	3.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Methyl acetate	ND		32	9.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Methylcyclohexane	ND		6.3	3.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Methylene Chloride	ND		6.3	5.7	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Methyl tert-butyl ether	ND		6.3	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
m-Xylene & p-Xylene	ND		6.3	2.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
o-Xylene	ND		6.3	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Styrene	ND		6.3	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,1,2,2-Tetrachloroethane	ND		6.3	1.9	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Tetrachloroethene	ND		6.3	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Toluene	ND		6.3	1.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
trans-1,2-Dichloroethene	ND		6.3	2.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
trans-1,3-Dichloropropene	ND		6.3	2.8	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2,3-Trichlorobenzene	ND		13	3.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,2,4-Trichlorobenzene	ND		6.3	3.2	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,1,1-Trichloroethane	ND		6.3	2.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,1,2-Trichloroethane	ND		6.3	1.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Trichloroethene	ND		6.3	2.0	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Trichlorofluoromethane	ND	*+	6.3	5.3	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.3	2.5	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Vinyl chloride	ND		6.3	4.6	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1
Xylenes, Total	ND		13	9.1	ug/Kg	☼	11/22/23 13:27	11/22/23 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*60 - 124*	*11/22/23 13:27*	*11/22/23 19:32*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*11/22/23 13:27*	*11/22/23 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*73 - 135*	*11/22/23 13:27*	*11/22/23 19:32*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*11/22/23 13:27*	*11/22/23 19:32*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5
Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Acenaphthylene	**120**		82	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Acetophenone	ND		820	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Anthracene	**62**	**J**	82	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Atrazine	ND		820	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Benzaldehyde	ND		820	51	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Benzo[a]anthracene	**340**		82	37	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Benzo[a]pyrene	**360**		82	35	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Benzo[b]fluoranthene	**320**		82	20	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Benzo[g,h,i]perylene	**250**		82	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Benzo[k]fluoranthene	**220**		82	25	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Bis(2-ethylhexyl) phthalate	ND		4000	440	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Caprolactam	ND		2100	270	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Carbazole	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4-Chlorophenyl phenyl ether	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Chrysene	**360**		82	45	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Dibenz(a,h)anthracene	**78**	**J**	82	52	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Dibenzofuran	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,4-Dichlorophenol	ND		82	32	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,4-Dimethylphenol	ND	*-	400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4,6-Dinitro-2-methylphenol	ND		2100	710	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
1,4-Dioxane	ND		820	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Fluoranthene	**610**		82	22	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Fluorene	ND		82	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Hexachlorocyclopentadiene	ND		400	42	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Hexachloroethane	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Indeno[1,2,3-cd]pyrene	**210**		82	41	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Isophorone	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2-Methylnaphthalene	ND		82	20	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2-Methylphenol	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5
Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Naphthalene	ND		82	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Nitrobenzene	ND		820	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
N-Nitrosodiphenylamine	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Phenanthrene	**270**		82	22	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Phenol	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
Pyrene	**570**		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1
2,4,6-Trichlorophenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*44 - 105*	*12/01/23 08:37*	*12/04/23 14:31*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*12/01/23 08:37*	*12/04/23 14:31*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:31*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:31*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*12/01/23 08:37*	*12/04/23 14:31*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*12/01/23 08:37*	*12/04/23 14:31*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.9	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1221	ND		21	7.5	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1232	ND		21	5.1	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1242	ND		21	3.1	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1248	ND		21	5.1	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1254	ND		21	6.3	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1260	ND		21	6.0	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1262	ND		21	7.4	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1
PCB-1268	ND		21	2.8	ug/Kg	☼	11/30/23 12:12	12/01/23 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:54*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*11/30/23 12:12*	*12/01/23 23:54*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:54*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/30/23 12:12*	*12/01/23 23:54*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		18	8.6	mg/Kg	☼	11/27/23 08:53	12/05/23 15:06	1
Antimony	**0.81**	**J**	0.92	0.28	mg/Kg	☼	11/27/23 08:53	12/05/23 15:06	1

Client Sample ID: SSHS-IRM5A2-SCV104-0.17-1
Lab Sample ID: 180-165790-5

Date Collected: 11/21/23 14:50
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 78.9

Method: SW846 EPA 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	35		0.92	0.58	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Barium	96		18	3.3	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Beryllium	0.37		0.37	0.10	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Cadmium	ND		0.46	0.067	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Calcium	3900		460	59	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Chromium	11		0.46	0.42	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Cobalt	7.1		4.6	0.65	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Copper	32		2.3	1.4	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Iron	29000		37	26	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Lead	92		9.2	5.8	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Magnesium	2600		460	50	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Manganese	460		1.4	1.0	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Nickel	16		3.7	0.46	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Potassium	820		460	78	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Selenium	ND		0.92	0.42	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Silver	0.11	J	0.46	0.096	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Sodium	48	J	460	47	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Thallium	ND		1.8	0.26	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Vanadium	15		4.6	0.73	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1
Zinc	400		9.2	4.2	mg/Kg	☼	11/27/23 08:53	11/28/23 16:41	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.040	0.026	mg/Kg	☼	11/30/23 11:45	12/01/23 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	21.1		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	78.9		0.1	0.1	%			11/28/23 09:23	1

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6

Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22	J	34	5.3	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Benzene	ND		6.7	1.9	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Bromoform	ND		6.7	3.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Bromomethane	ND		6.7	3.1	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
2-Butanone (MEK)	ND		34	3.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Carbon disulfide	ND		6.7	5.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Carbon tetrachloride	ND		6.7	2.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Chlorobenzene	ND		6.7	1.8	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Chlorobromomethane	ND		6.7	4.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Chlorodibromomethane	ND		6.7	3.3	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Chloroethane	ND		6.7	3.9	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Chloroform	ND		6.7	4.5	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Chloromethane	ND		6.7	2.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
cis-1,2-Dichloroethene	ND		6.7	2.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6
Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		6.7	3.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Cyclohexane	ND		6.7	3.2	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2-Dibromo-3-Chloropropane	ND		6.7	4.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2-Dibromoethane	ND		6.7	1.8	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2-Dichlorobenzene	ND		6.7	2.3	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,3-Dichlorobenzene	ND		6.7	4.2	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,4-Dichlorobenzene	ND		6.7	2.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Dichlorobromomethane	ND		6.7	3.1	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Dichlorodifluoromethane	ND		6.7	3.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,1-Dichloroethane	ND		6.7	2.2	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2-Dichloroethane	ND		6.7	1.9	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,1-Dichloroethene	ND		6.7	3.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2-Dichloroethene, Total	ND		13	5.5	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2-Dichloropropane	ND		6.7	1.8	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,4-Dioxane	ND		1300	100	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Ethylbenzene	ND		6.7	2.5	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
2-Hexanone	ND		34	2.1	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Isopropylbenzene	ND		6.7	3.5	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Methyl acetate	ND		34	9.9	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Methylcyclohexane	ND		6.7	3.3	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Methylene Chloride	ND		6.7	6.1	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.5	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Methyl tert-butyl ether	ND		6.7	2.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
m-Xylene & p-Xylene	ND		6.7	2.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
o-Xylene	ND		6.7	2.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Styrene	ND		6.7	2.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,1,2,2-Tetrachloroethane	ND		6.7	2.1	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Tetrachloroethene	ND		6.7	2.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Toluene	ND		6.7	1.9	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
trans-1,2-Dichloroethene	ND		6.7	2.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
trans-1,3-Dichloropropene	ND		6.7	3.0	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2,3-Trichlorobenzene	ND		13	3.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,2,4-Trichlorobenzene	ND		6.7	3.4	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,1,1-Trichloroethane	ND		6.7	2.3	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,1,2-Trichloroethane	ND		6.7	1.3	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Trichloroethene	ND		6.7	2.1	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Trichlorofluoromethane	ND	*+	6.7	5.6	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.7	2.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Vinyl chloride	ND		6.7	4.9	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1
Xylenes, Total	ND		13	9.7	ug/Kg	☼	11/27/23 07:12	11/27/23 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*11/27/23 07:12*	*11/27/23 15:54*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*11/27/23 07:12*	*11/27/23 15:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*11/27/23 07:12*	*11/27/23 15:54*	*1*
Toluene-d8 (Surr)	*108*		*67 - 134*	*11/27/23 07:12*	*11/27/23 15:54*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		90	26	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6
Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**370**		90	20	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Acetophenone	ND		900	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Anthracene	**190**		90	23	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Atrazine	ND		900	200	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Benzaldehyde	ND		900	56	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Benzo[a]anthracene	**720**		90	40	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Benzo[a]pyrene	**820**		90	39	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Benzo[b]fluoranthene	**870**		90	22	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Benzo[g,h,i]perylene	**650**		90	19	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Benzo[k]fluoranthene	**470**		90	27	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
1,1'-Biphenyl	ND		440	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Bis(2-chloroethoxy)methane	ND		440	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Bis(2-chloroethyl)ether	ND		90	16	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Bis(2-ethylhexyl) phthalate	ND		4400	480	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4-Bromophenyl phenyl ether	ND		440	190	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Butyl benzyl phthalate	ND		440	310	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Caprolactam	ND		2300	290	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Carbazole	**68**	**J**	90	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4-Chloroaniline	ND		440	120	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4-Chloro-3-methylphenol	ND		440	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2-Chloronaphthalene	ND		90	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2-Chlorophenol	ND		440	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4-Chlorophenyl phenyl ether	ND		440	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Chrysene	**920**		90	50	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Dibenz(a,h)anthracene	**170**		90	57	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Dibenzofuran	ND		440	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
3,3'-Dichlorobenzidine	ND		440	420	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,4-Dichlorophenol	ND		90	35	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Diethyl phthalate	ND		440	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,4-Dimethylphenol	ND	*-	440	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Dimethyl phthalate	ND		440	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Di-n-butyl phthalate	ND		440	200	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4,6-Dinitro-2-methylphenol	ND		2300	770	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,4-Dinitrophenol	ND		4400	2800	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,4-Dinitrotoluene	ND		440	270	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,6-Dinitrotoluene	ND		440	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Di-n-octyl phthalate	ND		440	260	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
1,4-Dioxane	ND		900	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Fluoranthene	**1300**		90	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Fluorene	**52**	**J**	90	18	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Hexachlorobenzene	ND		90	32	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Hexachlorobutadiene	ND		90	26	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Hexachlorocyclopentadiene	ND		440	46	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Hexachloroethane	ND		440	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Indeno[1,2,3-cd]pyrene	**500**		90	45	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Isophorone	ND		440	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2-Methylnaphthalene	**73**	**J**	90	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2-Methylphenol	ND		440	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Methylphenol, 3 & 4	ND		440	130	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6
Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		90	17	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2-Nitroaniline	ND		2300	200	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
3-Nitroaniline	ND		2300	110	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4-Nitroaniline	ND		2300	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Nitrobenzene	ND		900	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2-Nitrophenol	ND		440	170	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
4-Nitrophenol	ND		2300	310	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
N-Nitrosodi-n-propylamine	ND		90	30	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
N-Nitrosodiphenylamine	ND		440	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,2'-oxybis[1-chloropropane]	ND		90	33	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Pentachlorophenol	ND		2300	720	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Phenanthrene	**540**		90	24	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Phenol	ND		440	140	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
Pyrene	**1200**		90	21	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
1,2,4,5-Tetrachlorobenzene	ND		440	180	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,3,4,6-Tetrachlorophenol	ND		440	190	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,4,5-Trichlorophenol	ND		440	160	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1
2,4,6-Trichlorophenol	ND		440	150	ug/Kg	☼	12/01/23 08:37	12/04/23 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*44 - 105*	*12/01/23 08:37*	*12/04/23 14:52*	*1*
2-Fluorophenol (Surr)	*88*		*48 - 105*	*12/01/23 08:37*	*12/04/23 14:52*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:52*	*1*
Phenol-d5 (Surr)	*92*		*46 - 105*	*12/01/23 08:37*	*12/04/23 14:52*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*12/01/23 08:37*	*12/04/23 14:52*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*34 - 108*	*12/01/23 08:37*	*12/04/23 14:52*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		23	7.3	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1221	ND		23	8.0	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1232	ND		23	5.5	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1242	ND		23	3.3	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1248	ND		23	5.4	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1254	**21**	**J**	23	6.8	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1260	ND		23	6.4	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1262	ND		23	7.9	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1
PCB-1268	ND		23	3.0	ug/Kg	☼	11/30/23 12:12	12/02/23 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*84*		*63 - 138*	*11/30/23 12:12*	*12/02/23 00:11*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*11/30/23 12:12*	*12/02/23 00:11*	*1*
Tetrachloro-m-xylene (Surr)	*80*		*55 - 135*	*11/30/23 12:12*	*12/02/23 00:11*	*1*
Tetrachloro-m-xylene (Surr)	*81*		*55 - 135*	*11/30/23 12:12*	*12/02/23 00:11*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5700**		23	11	mg/Kg	☼	11/27/23 08:53	12/05/23 15:11	1
Antimony	**0.46**	**J**	1.1	0.34	mg/Kg	☼	11/27/23 08:53	12/05/23 15:11	1
Arsenic	**8.5**		1.1	0.71	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6
Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Method: SW846 EPA 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	91		23	4.0	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Beryllium	0.26	J	0.45	0.12	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Cadmium	0.52	J	0.57	0.083	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Calcium	4800		570	73	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Chromium	9.2		0.57	0.52	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Cobalt	4.8	J	5.7	0.80	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Copper	35		2.8	1.7	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Iron	15000		45	32	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Lead	99		11	7.1	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Magnesium	1600		570	62	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Manganese	370		1.7	1.3	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Nickel	13		4.5	0.57	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Potassium	620		570	97	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Selenium	ND		1.1	0.52	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Silver	ND		0.57	0.12	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Sodium	ND		570	58	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Thallium	ND		2.3	0.32	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Vanadium	12		5.7	0.90	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1
Zinc	690		11	5.2	mg/Kg	☼	11/27/23 08:53	11/28/23 16:46	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.044	0.028	mg/Kg	☼	11/30/23 11:45	12/01/23 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	26.5		0.1	0.1	%			11/28/23 16:35	1
Percent Solids (SM22 2540G)	73.5		0.1	0.1	%			11/28/23 16:35	1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-452606/7
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			11/22/23 10:25	1
Benzene	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
Bromoform	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
Bromomethane	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			11/22/23 10:25	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			11/22/23 10:25	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			11/22/23 10:25	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			11/22/23 10:25	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
Chloroethane	ND		5.0	2.9	ug/Kg			11/22/23 10:25	1
Chloroform	ND		5.0	3.4	ug/Kg			11/22/23 10:25	1
Chloromethane	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			11/22/23 10:25	1
Cyclohexane	ND		5.0	2.4	ug/Kg			11/22/23 10:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			11/22/23 10:25	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			11/22/23 10:25	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			11/22/23 10:25	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			11/22/23 10:25	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			11/22/23 10:25	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			11/22/23 10:25	1
1,4-Dioxane	ND		1000	76	ug/Kg			11/22/23 10:25	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			11/22/23 10:25	1
2-Hexanone	ND		25	1.6	ug/Kg			11/22/23 10:25	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			11/22/23 10:25	1
Methyl acetate	ND		25	7.4	ug/Kg			11/22/23 10:25	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			11/22/23 10:25	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			11/22/23 10:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			11/22/23 10:25	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			11/22/23 10:25	1
o-Xylene	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Styrene	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Toluene	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			11/22/23 10:25	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			11/22/23 10:25	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			11/22/23 10:25	1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-452606/7
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			11/22/23 10:25	1
Trichloroethene	ND		5.0	1.6	ug/Kg			11/22/23 10:25	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			11/22/23 10:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			11/22/23 10:25	1
Xylenes, Total	ND		10	7.2	ug/Kg			11/22/23 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*		*11/22/23 10:25*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*		*11/22/23 10:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*		*11/22/23 10:25*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*		*11/22/23 10:25*	*1*

Lab Sample ID: LCS 180-452606/3
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	50.1		ug/Kg		125	23 - 170
Benzene	40.0	41.4		ug/Kg		104	77 - 120
Bromoform	40.0	30.6		ug/Kg		76	37 - 147
Bromomethane	40.0	42.9		ug/Kg		107	47 - 149
2-Butanone (MEK)	40.0	37.7		ug/Kg		94	39 - 157
Carbon disulfide	40.0	40.3		ug/Kg		101	40 - 156
Carbon tetrachloride	40.0	42.9		ug/Kg		107	73 - 130
Chlorobenzene	40.0	39.7		ug/Kg		99	79 - 122
Chlorobromomethane	40.0	48.2		ug/Kg		121	64 - 128
Chlorodibromomethane	40.0	34.0		ug/Kg		85	60 - 134
Chloroethane	40.0	49.8		ug/Kg		124	37 - 159
Chloroform	40.0	46.1		ug/Kg		115	73 - 126
Chloromethane	40.0	44.6		ug/Kg		111	46 - 151
cis-1,2-Dichloroethene	40.0	46.6		ug/Kg		117	77 - 118
cis-1,3-Dichloropropene	40.0	37.8		ug/Kg		95	73 - 127
Cyclohexane	40.0	36.4		ug/Kg		91	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.9		ug/Kg		65	30 - 163
1,2-Dibromoethane	40.0	37.5		ug/Kg		94	59 - 137
1,2-Dichlorobenzene	40.0	39.1		ug/Kg		98	76 - 120
1,3-Dichlorobenzene	40.0	38.5		ug/Kg		96	77 - 121
1,4-Dichlorobenzene	40.0	38.2		ug/Kg		96	79 - 120
Dichlorobromomethane	40.0	42.6		ug/Kg		106	75 - 123
Dichlorodifluoromethane	40.0	45.8		ug/Kg		115	26 - 149
1,1-Dichloroethane	40.0	40.9		ug/Kg		102	73 - 124
1,2-Dichloroethane	40.0	41.2		ug/Kg		103	64 - 140
1,1-Dichloroethene	40.0	45.6		ug/Kg		114	55 - 136
1,2-Dichloroethene, Total	80.0	92.8		ug/Kg		116	77 - 119
1,2-Dichloropropane	40.0	38.0		ug/Kg		95	77 - 119
1,4-Dioxane	800	1000		ug/Kg		126	18 - 166
Ethylbenzene	40.0	39.5		ug/Kg		99	79 - 119

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-452606/3
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	34.1		ug/Kg		85	42 - 152
Isopropylbenzene	40.0	40.7		ug/Kg		102	70 - 125
Methyl acetate	80.0	77.3		ug/Kg		97	20 - 170
Methylcyclohexane	40.0	40.3		ug/Kg		101	70 - 125
Methylene Chloride	40.0	42.2		ug/Kg		106	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	28.3		ug/Kg		71	51 - 147
Methyl tert-butyl ether	40.0	38.6		ug/Kg		97	58 - 132
m-Xylene & p-Xylene	40.0	40.3		ug/Kg		101	77 - 120
o-Xylene	40.0	40.4		ug/Kg		101	78 - 118
Styrene	40.0	36.6		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	35.2		ug/Kg		88	36 - 170
Tetrachloroethene	40.0	39.0		ug/Kg		98	71 - 121
Toluene	40.0	39.3		ug/Kg		98	76 - 120
trans-1,2-Dichloroethene	40.0	46.2		ug/Kg		115	75 - 122
trans-1,3-Dichloropropene	40.0	31.7		ug/Kg		79	68 - 133
1,2,3-Trichlorobenzene	40.0	36.8		ug/Kg		92	29 - 166
1,2,4-Trichlorobenzene	40.0	38.1		ug/Kg		95	22 - 170
1,1,1-Trichloroethane	40.0	43.6		ug/Kg		109	72 - 134
1,1,2-Trichloroethane	40.0	36.4		ug/Kg		91	66 - 128
Trichloroethene	40.0	47.3		ug/Kg		118	69 - 118
Trichlorofluoromethane	40.0	66.8	*+	ug/Kg		167	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.3		ug/Kg		96	59 - 135
Vinyl chloride	40.0	40.4		ug/Kg		101	64 - 134
Xylenes, Total	80.0	80.7		ug/Kg		101	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*126*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: LCSD 180-452606/4
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	49.1		ug/Kg		123	23 - 170	2	35
Benzene	40.0	39.5		ug/Kg		99	77 - 120	5	20
Bromoform	40.0	28.1		ug/Kg		70	37 - 147	8	23
Bromomethane	40.0	39.6		ug/Kg		99	47 - 149	8	25
2-Butanone (MEK)	40.0	36.8		ug/Kg		92	39 - 157	2	33
Carbon disulfide	40.0	38.1		ug/Kg		95	40 - 156	6	25
Carbon tetrachloride	40.0	41.2		ug/Kg		103	73 - 130	4	21
Chlorobenzene	40.0	36.7		ug/Kg		92	79 - 122	8	20
Chlorobromomethane	40.0	44.3		ug/Kg		111	64 - 128	8	20
Chlorodibromomethane	40.0	31.5		ug/Kg		79	60 - 134	8	40
Chloroethane	40.0	52.5		ug/Kg		131	37 - 159	5	25
Chloroform	40.0	44.1		ug/Kg		110	73 - 126	5	20

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-452606/4
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	48.4		ug/Kg		121	46 - 151	8	33
cis-1,2-Dichloroethene			40.0	43.5		ug/Kg		109	77 - 118	7	20
cis-1,3-Dichloropropene			40.0	35.4		ug/Kg		89	73 - 127	7	20
Cyclohexane			40.0	34.2		ug/Kg		86	63 - 143	6	25
1,2-Dibromo-3-Chloropropane			40.0	23.2		ug/Kg		58	30 - 163	11	34
1,2-Dibromoethane			40.0	33.7		ug/Kg		84	59 - 137	11	20
1,2-Dichlorobenzene			40.0	36.3		ug/Kg		91	76 - 120	7	20
1,3-Dichlorobenzene			40.0	36.6		ug/Kg		91	77 - 121	5	20
1,4-Dichlorobenzene			40.0	36.2		ug/Kg		90	79 - 120	6	20
Dichlorobromomethane			40.0	39.1		ug/Kg		98	75 - 123	9	20
Dichlorodifluoromethane			40.0	43.9		ug/Kg		110	26 - 149	4	24
1,1-Dichloroethane			40.0	38.9		ug/Kg		97	73 - 124	5	20
1,2-Dichloroethane			40.0	39.1		ug/Kg		98	64 - 140	5	20
1,1-Dichloroethene			40.0	43.6		ug/Kg		109	55 - 136	4	21
1,2-Dichloroethene, Total			80.0	86.7		ug/Kg		108	77 - 119	7	20
1,2-Dichloropropane			40.0	35.8		ug/Kg		89	77 - 119	6	20
1,4-Dioxane			800	797	J	ug/Kg		100	18 - 166	23	40
Ethylbenzene			40.0	37.0		ug/Kg		93	79 - 119	7	20
2-Hexanone			40.0	32.0		ug/Kg		80	42 - 152	6	30
Isopropylbenzene			40.0	37.7		ug/Kg		94	70 - 125	8	21
Methyl acetate			80.0	70.0		ug/Kg		87	20 - 170	10	33
Methylcyclohexane			40.0	39.3		ug/Kg		98	70 - 125	3	22
Methylene Chloride			40.0	40.9		ug/Kg		102	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	27.5		ug/Kg		69	51 - 147	3	27
Methyl tert-butyl ether			40.0	35.7		ug/Kg		89	58 - 132	8	24
m-Xylene & p-Xylene			40.0	37.4		ug/Kg		94	77 - 120	7	20
o-Xylene			40.0	37.7		ug/Kg		94	78 - 118	7	20
Styrene			40.0	32.2		ug/Kg		80	80 - 120	13	20
1,1,2,2-Tetrachloroethane			40.0	30.9		ug/Kg		77	36 - 170	13	23
Tetrachloroethene			40.0	36.4		ug/Kg		91	71 - 121	7	21
Toluene			40.0	36.7		ug/Kg		92	76 - 120	7	20
trans-1,2-Dichloroethene			40.0	43.2		ug/Kg		108	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	29.6		ug/Kg		74	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	34.6		ug/Kg		86	29 - 166	6	40
1,2,4-Trichlorobenzene			40.0	35.5		ug/Kg		89	22 - 170	7	29
1,1,1-Trichloroethane			40.0	42.3		ug/Kg		106	72 - 134	3	20
1,1,2-Trichloroethane			40.0	33.5		ug/Kg		84	66 - 128	8	21
Trichloroethene			40.0	45.0		ug/Kg		113	69 - 118	5	20
Trichlorofluoromethane			40.0	62.4	*+	ug/Kg		156	32 - 149	7	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	39.5		ug/Kg		99	59 - 135	3	28
Vinyl chloride			40.0	38.7		ug/Kg		97	64 - 134	4	23
Xylenes, Total			80.0	75.1		ug/Kg		94	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*119*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-452606/4
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		42.4	54.9		ug/Kg	☼	129	23 - 170
Benzene	ND		42.4	42.0		ug/Kg	☼	99	77 - 120
Bromoform	ND		42.4	30.0		ug/Kg	☼	71	37 - 147
Bromomethane	ND		42.4	49.0		ug/Kg	☼	116	47 - 149
2-Butanone (MEK)	ND		42.4	43.7		ug/Kg	☼	103	39 - 157
Carbon disulfide	ND		42.4	38.6		ug/Kg	☼	91	40 - 156
Carbon tetrachloride	ND		42.4	41.5		ug/Kg	☼	98	73 - 130
Chlorobenzene	ND		42.4	39.8		ug/Kg	☼	94	79 - 122
Chlorobromomethane	ND		42.4	45.3		ug/Kg	☼	107	64 - 128
Chlorodibromomethane	ND		42.4	32.8		ug/Kg	☼	77	60 - 134
Chloroethane	ND		42.4	60.1		ug/Kg	☼	141	37 - 159
Chloroform	ND		42.4	45.1		ug/Kg	☼	106	73 - 126
Chloromethane	ND		42.4	42.6		ug/Kg	☼	100	46 - 151
cis-1,2-Dichloroethene	ND		42.4	45.6		ug/Kg	☼	108	77 - 118
cis-1,3-Dichloropropene	ND		42.4	36.7		ug/Kg	☼	87	73 - 127
Cyclohexane	ND		42.4	36.4		ug/Kg	☼	86	63 - 143
1,2-Dibromo-3-Chloropropane	ND		42.4	24.0		ug/Kg	☼	57	30 - 163
1,2-Dibromoethane	ND		42.4	36.1		ug/Kg	☼	85	59 - 137
1,2-Dichlorobenzene	ND		42.4	38.6		ug/Kg	☼	91	76 - 120
1,3-Dichlorobenzene	ND		42.4	38.3		ug/Kg	☼	90	77 - 121
1,4-Dichlorobenzene	ND		42.4	38.3		ug/Kg	☼	90	79 - 120
Dichlorobromomethane	ND		42.4	40.4		ug/Kg	☼	95	75 - 123
Dichlorodifluoromethane	ND		42.4	43.3		ug/Kg	☼	102	26 - 149
1,1-Dichloroethane	ND		42.4	40.3		ug/Kg	☼	95	73 - 124
1,2-Dichloroethane	ND		42.4	43.6		ug/Kg	☼	103	64 - 140
1,1-Dichloroethene	ND		42.4	40.1		ug/Kg	☼	94	55 - 136
1,2-Dichloroethene, Total	ND		84.9	90.9		ug/Kg	☼	107	77 - 119
1,2-Dichloropropane	ND		42.4	38.8		ug/Kg	☼	92	77 - 119
1,4-Dioxane	ND		849	970	J	ug/Kg	☼	114	18 - 166
Ethylbenzene	ND		42.4	39.8		ug/Kg	☼	94	79 - 119
2-Hexanone	ND		42.4	33.5		ug/Kg	☼	79	42 - 152
Isopropylbenzene	ND		42.4	40.8		ug/Kg	☼	96	70 - 125
Methyl acetate	ND		84.9	81.5		ug/Kg	☼	96	20 - 170
Methylcyclohexane	ND		42.4	41.8		ug/Kg	☼	99	70 - 125
Methylene Chloride	ND		42.4	40.8		ug/Kg	☼	96	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		42.4	30.9		ug/Kg	☼	73	51 - 147
Methyl tert-butyl ether	ND		42.4	38.0		ug/Kg	☼	90	58 - 132
m-Xylene & p-Xylene	ND		42.4	39.5		ug/Kg	☼	93	77 - 120
o-Xylene	ND		42.4	40.0		ug/Kg	☼	94	78 - 118
Styrene	ND		42.4	36.3		ug/Kg	☼	86	80 - 120
1,1,2,2-Tetrachloroethane	ND		42.4	35.5		ug/Kg	☼	84	36 - 170

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		42.4	37.8		ug/Kg	☼	89	71 - 121
Toluene	ND		42.4	39.8		ug/Kg	☼	94	76 - 120
trans-1,2-Dichloroethene	ND		42.4	45.3		ug/Kg	☼	107	75 - 122
trans-1,3-Dichloropropene	ND		42.4	31.4		ug/Kg	☼	74	68 - 133
1,2,3-Trichlorobenzene	ND		42.4	36.4		ug/Kg	☼	86	29 - 166
1,2,4-Trichlorobenzene	ND		42.4	37.0		ug/Kg	☼	87	22 - 170
1,1,1-Trichloroethane	ND		42.4	42.1		ug/Kg	☼	99	72 - 134
1,1,2-Trichloroethane	ND		42.4	35.8		ug/Kg	☼	84	66 - 128
Trichloroethene	ND		42.4	44.6		ug/Kg	☼	105	69 - 118
Trichlorofluoromethane	ND	*+ F1	42.4	73.0	F1	ug/Kg	☼	172	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.4	42.5		ug/Kg	☼	100	59 - 135
Vinyl chloride	ND		42.4	37.9		ug/Kg	☼	89	64 - 134
Xylenes, Total	ND		84.9	79.5		ug/Kg	☼	94	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*114*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*
Toluene-d8 (Surr)	*98*		*67 - 134*

Lab Sample ID: 180-165790-2 MSD
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		41.3	57.5		ug/Kg	☼	139	23 - 170	4	35
Benzene	ND		41.3	42.7		ug/Kg	☼	103	77 - 120	2	20
Bromoform	ND		41.3	30.5		ug/Kg	☼	74	37 - 147	2	23
Bromomethane	ND		41.3	48.4		ug/Kg	☼	117	47 - 149	1	25
2-Butanone (MEK)	ND		41.3	43.9		ug/Kg	☼	106	39 - 157	1	33
Carbon disulfide	ND		41.3	39.5		ug/Kg	☼	95	40 - 156	2	25
Carbon tetrachloride	ND		41.3	42.7		ug/Kg	☼	103	73 - 130	3	21
Chlorobenzene	ND		41.3	40.3		ug/Kg	☼	98	79 - 122	1	20
Chlorobromomethane	ND		41.3	48.1		ug/Kg	☼	116	64 - 128	6	20
Chlorodibromomethane	ND		41.3	33.9		ug/Kg	☼	82	60 - 134	3	40
Chloroethane	ND		41.3	48.8		ug/Kg	☼	118	37 - 159	21	25
Chloroform	ND		41.3	47.5		ug/Kg	☼	115	73 - 126	5	20
Chloromethane	ND		41.3	47.8		ug/Kg	☼	116	46 - 151	12	33
cis-1,2-Dichloroethene	ND		41.3	46.8		ug/Kg	☼	113	77 - 118	3	20
cis-1,3-Dichloropropene	ND		41.3	38.7		ug/Kg	☼	94	73 - 127	5	20
Cyclohexane	ND		41.3	36.3		ug/Kg	☼	88	63 - 143	0	25
1,2-Dibromo-3-Chloropropane	ND		41.3	26.4		ug/Kg	☼	64	30 - 163	9	34
1,2-Dibromoethane	ND		41.3	37.4		ug/Kg	☼	91	59 - 137	4	20
1,2-Dichlorobenzene	ND		41.3	39.3		ug/Kg	☼	95	76 - 120	2	20
1,3-Dichlorobenzene	ND		41.3	38.8		ug/Kg	☼	94	77 - 121	1	20
1,4-Dichlorobenzene	ND		41.3	38.9		ug/Kg	☼	94	79 - 120	2	20
Dichlorobromomethane	ND		41.3	43.1		ug/Kg	☼	104	75 - 123	6	20
Dichlorodifluoromethane	ND		41.3	45.7		ug/Kg	☼	111	26 - 149	5	24

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 180-165790-2 MSD
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		41.3	42.1		ug/Kg	☼	102	73 - 124	4	20
1,2-Dichloroethane	ND		41.3	44.7		ug/Kg	☼	108	64 - 140	3	20
1,1-Dichloroethene	ND		41.3	42.9		ug/Kg	☼	104	55 - 136	7	21
1,2-Dichloroethene, Total	ND		82.7	93.6		ug/Kg	☼	113	77 - 119	3	20
1,2-Dichloropropane	ND		41.3	39.7		ug/Kg	☼	96	77 - 119	2	20
1,4-Dioxane	ND		827	944	J	ug/Kg	☼	114	18 - 166	3	40
Ethylbenzene	ND		41.3	40.3		ug/Kg	☼	98	79 - 119	1	20
2-Hexanone	ND		41.3	36.6		ug/Kg	☼	89	42 - 152	9	30
Isopropylbenzene	ND		41.3	40.8		ug/Kg	☼	99	70 - 125	0	21
Methyl acetate	ND		82.7	89.1		ug/Kg	☼	108	20 - 170	9	33
Methylcyclohexane	ND		41.3	42.7		ug/Kg	☼	103	70 - 125	2	22
Methylene Chloride	ND		41.3	43.3		ug/Kg	☼	105	67 - 131	6	32
4-Methyl-2-pentanone (MIBK)	ND		41.3	31.5		ug/Kg	☼	76	51 - 147	2	27
Methyl tert-butyl ether	ND		41.3	40.0		ug/Kg	☼	97	58 - 132	5	24
m-Xylene & p-Xylene	ND		41.3	40.1		ug/Kg	☼	97	77 - 120	2	20
o-Xylene	ND		41.3	40.8		ug/Kg	☼	99	78 - 118	2	20
Styrene	ND		41.3	35.5		ug/Kg	☼	86	80 - 120	2	20
1,1,2,2-Tetrachloroethane	ND		41.3	35.6		ug/Kg	☼	86	36 - 170	0	23
Tetrachloroethene	ND		41.3	37.6		ug/Kg	☼	91	71 - 121	0	21
Toluene	ND		41.3	40.1		ug/Kg	☼	97	76 - 120	1	20
trans-1,2-Dichloroethene	ND		41.3	46.7		ug/Kg	☼	113	75 - 122	3	20
trans-1,3-Dichloropropene	ND		41.3	31.8		ug/Kg	☼	77	68 - 133	2	20
1,2,3-Trichlorobenzene	ND		41.3	38.3		ug/Kg	☼	93	29 - 166	5	40
1,2,4-Trichlorobenzene	ND		41.3	37.5		ug/Kg	☼	91	22 - 170	1	29
1,1,1-Trichloroethane	ND		41.3	42.7		ug/Kg	☼	103	72 - 134	2	20
1,1,2-Trichloroethane	ND		41.3	36.4		ug/Kg	☼	88	66 - 128	2	21
Trichloroethene	ND		41.3	46.9		ug/Kg	☼	113	69 - 118	5	20
Trichlorofluoromethane	ND	*+ F1	41.3	73.6	F1	ug/Kg	☼	178	32 - 149	1	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		41.3	43.2		ug/Kg	☼	105	59 - 135	2	28
Vinyl chloride	ND		41.3	38.4		ug/Kg	☼	93	64 - 134	1	23
Xylenes, Total	ND		82.7	80.9		ug/Kg	☼	98	78 - 118	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*121*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: MB 180-452762/12
Matrix: Solid
Analysis Batch: 452762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			11/27/23 13:55	1
Benzene	ND		5.0	1.4	ug/Kg			11/27/23 13:55	1
Bromoform	ND		5.0	2.5	ug/Kg			11/27/23 13:55	1
Bromomethane	ND		5.0	2.3	ug/Kg			11/27/23 13:55	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			11/27/23 13:55	1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-452762/12
Matrix: Solid
Analysis Batch: 452762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			11/27/23 13:55	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			11/27/23 13:55	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			11/27/23 13:55	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			11/27/23 13:55	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			11/27/23 13:55	1
Chloroethane	ND		5.0	2.9	ug/Kg			11/27/23 13:55	1
Chloroform	ND		5.0	3.4	ug/Kg			11/27/23 13:55	1
Chloromethane	ND		5.0	2.0	ug/Kg			11/27/23 13:55	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			11/27/23 13:55	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			11/27/23 13:55	1
Cyclohexane	ND		5.0	2.4	ug/Kg			11/27/23 13:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			11/27/23 13:55	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			11/27/23 13:55	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			11/27/23 13:55	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			11/27/23 13:55	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			11/27/23 13:55	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			11/27/23 13:55	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			11/27/23 13:55	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			11/27/23 13:55	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			11/27/23 13:55	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			11/27/23 13:55	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			11/27/23 13:55	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			11/27/23 13:55	1
1,4-Dioxane	ND		1000	76	ug/Kg			11/27/23 13:55	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			11/27/23 13:55	1
2-Hexanone	ND		25	1.6	ug/Kg			11/27/23 13:55	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			11/27/23 13:55	1
Methyl acetate	ND		25	7.4	ug/Kg			11/27/23 13:55	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			11/27/23 13:55	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			11/27/23 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			11/27/23 13:55	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			11/27/23 13:55	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			11/27/23 13:55	1
o-Xylene	ND		5.0	2.0	ug/Kg			11/27/23 13:55	1
Styrene	ND		5.0	1.5	ug/Kg			11/27/23 13:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			11/27/23 13:55	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			11/27/23 13:55	1
Toluene	ND		5.0	1.4	ug/Kg			11/27/23 13:55	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			11/27/23 13:55	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			11/27/23 13:55	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			11/27/23 13:55	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			11/27/23 13:55	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			11/27/23 13:55	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			11/27/23 13:55	1
Trichloroethene	ND		5.0	1.6	ug/Kg			11/27/23 13:55	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			11/27/23 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			11/27/23 13:55	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			11/27/23 13:55	1
Xylenes, Total	ND		10	7.2	ug/Kg			11/27/23 13:55	1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		60 - 124		11/27/23 13:55	1
Dibromofluoromethane (Surr)	118		69 - 126		11/27/23 13:55	1
1,2-Dichloroethane-d4 (Surr)	113		73 - 135		11/27/23 13:55	1
Toluene-d8 (Surr)	96		67 - 134		11/27/23 13:55	1

Lab Sample ID: LCS 180-452762/9
Matrix: Solid
Analysis Batch: 452762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	53.4		ug/Kg		133	23 - 170
Benzene	40.0	40.5		ug/Kg		101	77 - 120
Bromoform	40.0	29.7		ug/Kg		74	37 - 147
Bromomethane	40.0	39.3		ug/Kg		98	47 - 149
2-Butanone (MEK)	40.0	44.3		ug/Kg		111	39 - 157
Carbon disulfide	40.0	37.7		ug/Kg		94	40 - 156
Carbon tetrachloride	40.0	40.5		ug/Kg		101	73 - 130
Chlorobenzene	40.0	38.6		ug/Kg		97	79 - 122
Chlorobromomethane	40.0	44.5		ug/Kg		111	64 - 128
Chlorodibromomethane	40.0	33.3		ug/Kg		83	60 - 134
Chloroethane	40.0	25.2		ug/Kg		63	37 - 159
Chloroform	40.0	44.6		ug/Kg		111	73 - 126
Chloromethane	40.0	38.8		ug/Kg		97	46 - 151
cis-1,2-Dichloroethene	40.0	43.6		ug/Kg		109	77 - 118
cis-1,3-Dichloropropene	40.0	36.2		ug/Kg		91	73 - 127
Cyclohexane	40.0	35.5		ug/Kg		89	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	24.5		ug/Kg		61	30 - 163
1,2-Dibromoethane	40.0	36.1		ug/Kg		90	59 - 137
1,2-Dichlorobenzene	40.0	37.9		ug/Kg		95	76 - 120
1,3-Dichlorobenzene	40.0	37.3		ug/Kg		93	77 - 121
1,4-Dichlorobenzene	40.0	37.9		ug/Kg		95	79 - 120
Dichlorobromomethane	40.0	40.6		ug/Kg		102	75 - 123
Dichlorodifluoromethane	40.0	40.4		ug/Kg		101	26 - 149
1,1-Dichloroethane	40.0	39.5		ug/Kg		99	73 - 124
1,2-Dichloroethane	40.0	41.6		ug/Kg		104	64 - 140
1,1-Dichloroethene	40.0	42.1		ug/Kg		105	55 - 136
1,2-Dichloroethene, Total	80.0	88.0		ug/Kg		110	77 - 119
1,2-Dichloropropane	40.0	37.0		ug/Kg		93	77 - 119
1,4-Dioxane	800	1050		ug/Kg		131	18 - 166
Ethylbenzene	40.0	39.1		ug/Kg		98	79 - 119
2-Hexanone	40.0	35.6		ug/Kg		89	42 - 152
Isopropylbenzene	40.0	40.0		ug/Kg		100	70 - 125
Methyl acetate	80.0	80.6		ug/Kg		101	20 - 170
Methylcyclohexane	40.0	39.4		ug/Kg		99	70 - 125
Methylene Chloride	40.0	35.7		ug/Kg		89	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	29.6		ug/Kg		74	51 - 147
Methyl tert-butyl ether	40.0	38.4		ug/Kg		96	58 - 132
m-Xylene & p-Xylene	40.0	38.4		ug/Kg		96	77 - 120
o-Xylene	40.0	38.9		ug/Kg		97	78 - 118
Styrene	40.0	35.5		ug/Kg		89	80 - 120
1,1,2,2-Tetrachloroethane	40.0	35.8		ug/Kg		89	36 - 170

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-452762/9
Matrix: Solid
Analysis Batch: 452762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	38.0		ug/Kg		95	71 - 121
Toluene	40.0	38.5		ug/Kg		96	76 - 120
trans-1,2-Dichloroethene	40.0	44.4		ug/Kg		111	75 - 122
trans-1,3-Dichloropropene	40.0	31.2		ug/Kg		78	68 - 133
1,2,3-Trichlorobenzene	40.0	36.2		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	35.9		ug/Kg		90	22 - 170
1,1,1-Trichloroethane	40.0	41.6		ug/Kg		104	72 - 134
1,1,2-Trichloroethane	40.0	36.0		ug/Kg		90	66 - 128
Trichloroethene	40.0	43.5		ug/Kg		109	69 - 118
Trichlorofluoromethane	40.0	67.9	*+	ug/Kg		170	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	34.9		ug/Kg		87	59 - 135
Vinyl chloride	40.0	35.2		ug/Kg		88	64 - 134
Xylenes, Total	80.0	77.3		ug/Kg		97	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*60 - 124*
Dibromofluoromethane (Surr)	*121*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*
Toluene-d8 (Surr)	*103*		*67 - 134*

Lab Sample ID: LCSD 180-452762/10
Matrix: Solid
Analysis Batch: 452762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	61.1		ug/Kg		153	23 - 170	13	35
Benzene	40.0	40.7		ug/Kg		102	77 - 120	1	20
Bromoform	40.0	32.1		ug/Kg		80	37 - 147	8	23
Bromomethane	40.0	39.9		ug/Kg		100	47 - 149	2	25
2-Butanone (MEK)	40.0	49.1		ug/Kg		123	39 - 157	10	33
Carbon disulfide	40.0	37.4		ug/Kg		94	40 - 156	1	25
Carbon tetrachloride	40.0	41.6		ug/Kg		104	73 - 130	3	21
Chlorobenzene	40.0	38.9		ug/Kg		97	79 - 122	1	20
Chlorobromomethane	40.0	48.2		ug/Kg		121	64 - 128	8	20
Chlorodibromomethane	40.0	36.0		ug/Kg		90	60 - 134	8	40
Chloroethane	40.0	24.2		ug/Kg		60	37 - 159	4	25
Chloroform	40.0	44.7		ug/Kg		112	73 - 126	0	20
Chloromethane	40.0	40.7		ug/Kg		102	46 - 151	5	33
cis-1,2-Dichloroethene	40.0	44.1		ug/Kg		110	77 - 118	1	20
cis-1,3-Dichloropropene	40.0	38.7		ug/Kg		97	73 - 127	7	20
Cyclohexane	40.0	35.0		ug/Kg		88	63 - 143	1	25
1,2-Dibromo-3-Chloropropane	40.0	28.3		ug/Kg		71	30 - 163	14	34
1,2-Dibromoethane	40.0	38.2		ug/Kg		96	59 - 137	6	20
1,2-Dichlorobenzene	40.0	38.9		ug/Kg		97	76 - 120	3	20
1,3-Dichlorobenzene	40.0	37.5		ug/Kg		94	77 - 121	1	20
1,4-Dichlorobenzene	40.0	38.0		ug/Kg		95	79 - 120	0	20
Dichlorobromomethane	40.0	42.5		ug/Kg		106	75 - 123	5	20
Dichlorodifluoromethane	40.0	40.5		ug/Kg		101	26 - 149	0	24

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-452762/10
Matrix: Solid
Analysis Batch: 452762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane			40.0	39.4		ug/Kg		98	73 - 124	0	20
1,2-Dichloroethane			40.0	44.4		ug/Kg		111	64 - 140	7	20
1,1-Dichloroethene			40.0	43.3		ug/Kg		108	55 - 136	3	21
1,2-Dichloroethene, Total			80.0	88.1		ug/Kg		110	77 - 119	0	20
1,2-Dichloropropane			40.0	39.4		ug/Kg		99	77 - 119	6	20
1,4-Dioxane			800	1200		ug/Kg		150	18 - 166	14	40
Ethylbenzene			40.0	38.4		ug/Kg		96	79 - 119	2	20
2-Hexanone			40.0	39.5		ug/Kg		99	42 - 152	10	30
Isopropylbenzene			40.0	38.9		ug/Kg		97	70 - 125	3	21
Methyl acetate			80.0	89.2		ug/Kg		112	20 - 170	10	33
Methylcyclohexane			40.0	40.3		ug/Kg		101	70 - 125	2	22
Methylene Chloride			40.0	43.2		ug/Kg		108	67 - 131	19	32
4-Methyl-2-pentanone (MIBK)			40.0	33.0		ug/Kg		83	51 - 147	11	27
Methyl tert-butyl ether			40.0	41.9		ug/Kg		105	58 - 132	9	24
m-Xylene & p-Xylene			40.0	38.4		ug/Kg		96	77 - 120	0	20
o-Xylene			40.0	38.9		ug/Kg		97	78 - 118	0	20
Styrene			40.0	34.1		ug/Kg		85	80 - 120	4	20
1,1,2,2-Tetrachloroethane			40.0	37.2		ug/Kg		93	36 - 170	4	23
Tetrachloroethene			40.0	37.2		ug/Kg		93	71 - 121	2	21
Toluene			40.0	38.4		ug/Kg		96	76 - 120	0	20
trans-1,2-Dichloroethene			40.0	44.0		ug/Kg		110	75 - 122	1	20
trans-1,3-Dichloropropene			40.0	33.3		ug/Kg		83	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	37.8		ug/Kg		94	29 - 166	4	40
1,2,4-Trichlorobenzene			40.0	37.2		ug/Kg		93	22 - 170	4	29
1,1,1-Trichloroethane			40.0	42.1		ug/Kg		105	72 - 134	1	20
1,1,2-Trichloroethane			40.0	38.1		ug/Kg		95	66 - 128	6	21
Trichloroethene			40.0	44.0		ug/Kg		110	69 - 118	1	20
Trichlorofluoromethane			40.0	65.8	*+	ug/Kg		164	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	40.4		ug/Kg		101	59 - 135	15	28
Vinyl chloride			40.0	36.6		ug/Kg		92	64 - 134	4	23
Xylenes, Total			80.0	77.3		ug/Kg		97	78 - 118	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*
Dibromofluoromethane (Surr)	*123*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*115*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-453330/1-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Acenaphthylene	ND		67	15	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Acetophenone	ND		670	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1

Client: Geosyntec Consultants Inc
Job ID: 180-165790-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-453330/1-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Atrazine	ND		670	150	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzaldehyde	ND		670	41	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[a]anthracene	ND		67	30	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[a]pyrene	ND		67	29	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
1,1'-Biphenyl	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Caprolactam	ND		1700	220	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Carbazole	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Chloroaniline	ND		330	88	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Chloronaphthalene	ND		67	15	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Chlorophenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Chrysene	ND		67	37	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Dibenzofuran	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Diethyl phthalate	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Dimethyl phthalate	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
1,4-Dioxane	ND		670	100	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Fluoranthene	ND		67	18	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Fluorene	ND		67	13	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachlorobenzene	ND		67	24	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachlorobutadiene	ND		67	20	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachloroethane	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Isophorone	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Methylnaphthalene	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Methylphenol	ND		330	96	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Naphthalene	ND		67	13	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Nitroaniline	ND		1700	150	ug/Kg		12/01/23 08:37	12/04/23 05:08	1

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-453330/1-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Nitroaniline	ND		1700	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Nitrobenzene	ND		670	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Nitrophenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Nitrophenol	ND		1700	230	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Pentachlorophenol	ND		1700	540	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Phenanthrene	ND		67	18	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Phenol	ND		330	100	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Pyrene	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*12/01/23 08:37*	*12/04/23 05:08*	*1*

Lab Sample ID: LCS 180-453330/2-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4330		ug/Kg		65	50 - 100
Acenaphthylene	6670	4390		ug/Kg		66	52 - 100
Acetophenone	6670	4270		ug/Kg		64	48 - 100
Anthracene	6670	4240		ug/Kg		64	53 - 100
Atrazine	6670	4650		ug/Kg		70	49 - 103
Benzaldehyde	6670	3460		ug/Kg		52	23 - 105
Benzo[a]anthracene	6670	4390		ug/Kg		66	51 - 100
Benzo[a]pyrene	6670	4630		ug/Kg		69	51 - 100
Benzo[b]fluoranthene	6670	4490		ug/Kg		67	48 - 100
Benzo[g,h,i]perylene	6670	4170		ug/Kg		63	48 - 105
Benzo[k]fluoranthene	6670	4340		ug/Kg		65	19 - 100
1,1'-Biphenyl	6670	4360		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	4180		ug/Kg		63	49 - 100
Bis(2-chloroethyl)ether	6670	4040		ug/Kg		61	48 - 100
Bis(2-ethylhexyl) phthalate	6670	3990		ug/Kg		60	53 - 107
4-Bromophenyl phenyl ether	6670	4670		ug/Kg		70	52 - 101
Butyl benzyl phthalate	6670	4000		ug/Kg		60	52 - 107
Caprolactam	6670	4760		ug/Kg		71	48 - 111

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-453330/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 453463
Prep Batch: 453330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	4340		ug/Kg		65	53 - 100
4-Chloroaniline	6670	4190		ug/Kg		63	47 - 100
4-Chloro-3-methylphenol	6670	4400		ug/Kg		66	49 - 106
2-Chloronaphthalene	6670	4480		ug/Kg		67	51 - 100
2-Chlorophenol	6670	4390		ug/Kg		66	51 - 100
4-Chlorophenyl phenyl ether	6670	4420		ug/Kg		66	52 - 100
Chrysene	6670	4620		ug/Kg		69	50 - 100
Dibenz(a,h)anthracene	6670	4260		ug/Kg		64	50 - 107
Dibenzofuran	6670	4280		ug/Kg		64	52 - 100
3,3'-Dichlorobenzidine	6670	4110		ug/Kg		62	43 - 100
2,4-Dichlorophenol	6670	4740		ug/Kg		71	53 - 101
Diethyl phthalate	6670	4090		ug/Kg		61	48 - 104
2,4-Dimethylphenol	6670	3210	*-	ug/Kg		48	51 - 101
Dimethyl phthalate	6670	4320		ug/Kg		65	53 - 100
Di-n-butyl phthalate	6670	4120		ug/Kg		62	57 - 102
4,6-Dinitro-2-methylphenol	13300	10000		ug/Kg		75	51 - 100
2,4-Dinitrophenol	13300	9950		ug/Kg		75	33 - 101
2,4-Dinitrotoluene	6670	4970		ug/Kg		75	54 - 104
2,6-Dinitrotoluene	6670	4790		ug/Kg		72	51 - 106
Di-n-octyl phthalate	6670	4010		ug/Kg		60	41 - 106
1,4-Dioxane	6670	4440		ug/Kg		67	25 - 125
Fluoranthene	6670	4370		ug/Kg		65	55 - 100
Fluorene	6670	4210		ug/Kg		63	52 - 100
Hexachlorobenzene	6670	4480		ug/Kg		67	49 - 100
Hexachlorobutadiene	6670	4760		ug/Kg		71	38 - 107
Hexachlorocyclopentadiene	6670	3020		ug/Kg		45	33 - 117
Hexachloroethane	6670	4320		ug/Kg		65	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4360		ug/Kg		65	51 - 103
Isophorone	6670	4320		ug/Kg		65	48 - 105
2-Methylnaphthalene	6670	4700		ug/Kg		71	53 - 100
2-Methylphenol	6670	4310		ug/Kg		65	50 - 101
Methylphenol, 3 & 4	6670	4370		ug/Kg		66	50 - 103
Naphthalene	6670	4480		ug/Kg		67	51 - 100
2-Nitroaniline	6670	4110		ug/Kg		62	42 - 123
3-Nitroaniline	6670	4560		ug/Kg		68	50 - 103
4-Nitroaniline	6670	4560		ug/Kg		68	52 - 103
Nitrobenzene	6670	4260		ug/Kg		64	44 - 108
2-Nitrophenol	6670	4960		ug/Kg		74	55 - 107
4-Nitrophenol	13300	8280		ug/Kg		62	30 - 134
N-Nitrosodi-n-propylamine	6670	4210		ug/Kg		63	45 - 107
N-Nitrosodiphenylamine	6670	4410		ug/Kg		66	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4370		ug/Kg		65	30 - 113
Pentachlorophenol	13300	10500		ug/Kg		79	42 - 110
Phenanthrene	6670	4330		ug/Kg		65	53 - 100
Phenol	6670	4260		ug/Kg		64	49 - 100
Pyrene	6670	4420		ug/Kg		66	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4450		ug/Kg		67	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4590		ug/Kg		69	47 - 104
2,4,5-Trichlorophenol	6670	4660		ug/Kg		70	50 - 104

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-453330/2-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453330

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	4650		ug/Kg		70	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*44 - 105*
2-Fluorophenol (Surr)	*63*		*48 - 105*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*
Phenol-d5 (Surr)	*62*		*46 - 105*
Terphenyl-d14 (Surr)	*54*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 453330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7260	6100		ug/Kg	☼	84	50 - 100		
Acenaphthylene	ND		7260	6160		ug/Kg	☼	85	52 - 100		
Acetophenone	ND		7260	5740		ug/Kg	☼	79	48 - 100		
Anthracene	ND		7260	6050		ug/Kg	☼	83	53 - 100		
Atrazine	ND		7260	6540		ug/Kg	☼	90	49 - 103		
Benzaldehyde	ND		7260	1920		ug/Kg	☼	26	23 - 105		
Benzo[a]anthracene	ND		7260	6260		ug/Kg	☼	86	51 - 100		
Benzo[a]pyrene	ND		7260	6670		ug/Kg	☼	92	51 - 100		
Benzo[b]fluoranthene	ND		7260	6180		ug/Kg	☼	85	48 - 100		
Benzo[g,h,i]perylene	ND		7260	6100		ug/Kg	☼	84	48 - 105		
Benzo[k]fluoranthene	ND		7260	6380		ug/Kg	☼	88	19 - 100		
1,1'-Biphenyl	ND		7260	6070		ug/Kg	☼	84	50 - 100		
Bis(2-chloroethoxy)methane	ND		7260	5890		ug/Kg	☼	81	49 - 100		
Bis(2-chloroethyl)ether	ND		7260	5610		ug/Kg	☼	77	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7260	5970		ug/Kg	☼	82	53 - 107		
4-Bromophenyl phenyl ether	ND		7260	6510		ug/Kg	☼	90	52 - 101		
Butyl benzyl phthalate	ND		7260	6000		ug/Kg	☼	83	52 - 107		
Caprolactam	ND		7260	6650		ug/Kg	☼	92	48 - 111		
Carbazole	ND		7260	6210		ug/Kg	☼	85	53 - 100		
4-Chloroaniline	ND		7260	5680		ug/Kg	☼	78	47 - 100		
4-Chloro-3-methylphenol	ND		7260	6090		ug/Kg	☼	84	49 - 106		
2-Chloronaphthalene	ND		7260	6160		ug/Kg	☼	85	51 - 100		
2-Chlorophenol	ND		7260	5820		ug/Kg	☼	80	51 - 100		
4-Chlorophenyl phenyl ether	ND		7260	6190		ug/Kg	☼	85	52 - 100		
Chrysene	ND		7260	6520		ug/Kg	☼	90	50 - 100		
Dibenz(a,h)anthracene	ND		7260	6180		ug/Kg	☼	85	50 - 107		
Dibenzofuran	ND		7260	6090		ug/Kg	☼	84	52 - 100		
3,3'-Dichlorobenzidine	ND		7260	5550		ug/Kg	☼	76	43 - 100		
2,4-Dichlorophenol	ND		7260	6540		ug/Kg	☼	90	53 - 101		
Diethyl phthalate	ND		7260	5830		ug/Kg	☼	80	48 - 104		
2,4-Dimethylphenol	ND	*-	7260	4420		ug/Kg	☼	61	51 - 101		
Dimethyl phthalate	ND		7260	6130		ug/Kg	☼	84	53 - 100		
Di-n-butyl phthalate	ND		7260	6080		ug/Kg	☼	84	57 - 102		

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 453330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND		14500	13600		ug/Kg	☼	93	51 - 100
2,4-Dinitrophenol	ND		14500	13300		ug/Kg	☼	92	33 - 101
2,4-Dinitrotoluene	ND		7260	7320		ug/Kg	☼	101	54 - 104
2,6-Dinitrotoluene	ND		7260	6620		ug/Kg	☼	91	51 - 106
Di-n-octyl phthalate	ND		7260	6130		ug/Kg	☼	84	41 - 106
1,4-Dioxane	ND		7260	4980		ug/Kg	☼	69	25 - 125
Fluoranthene	ND		7260	6210		ug/Kg	☼	85	55 - 100
Fluorene	ND		7260	5980		ug/Kg	☼	82	52 - 100
Hexachlorobenzene	ND		7260	6180		ug/Kg	☼	85	49 - 100
Hexachlorobutadiene	ND		7260	6290		ug/Kg	☼	87	38 - 107
Hexachlorocyclopentadiene	ND		7260	3870		ug/Kg	☼	53	33 - 117
Hexachloroethane	ND		7260	5700		ug/Kg	☼	78	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7260	6320		ug/Kg	☼	87	51 - 103
Isophorone	ND		7260	6060		ug/Kg	☼	83	48 - 105
2-Methylnaphthalene	ND		7260	6430		ug/Kg	☼	89	53 - 100
2-Methylphenol	ND		7260	5800		ug/Kg	☼	80	50 - 101
Methylphenol, 3 & 4	ND		7260	5910		ug/Kg	☼	81	50 - 103
Naphthalene	ND		7260	6010		ug/Kg	☼	83	51 - 100
2-Nitroaniline	ND		7260	5840		ug/Kg	☼	80	42 - 123
3-Nitroaniline	ND		7260	6600		ug/Kg	☼	91	50 - 103
4-Nitroaniline	ND		7260	6560		ug/Kg	☼	90	52 - 103
Nitrobenzene	ND		7260	5820		ug/Kg	☼	80	44 - 108
2-Nitrophenol	ND		7260	6820		ug/Kg	☼	94	55 - 107
4-Nitrophenol	ND		14500	11500		ug/Kg	☼	79	30 - 134
N-Nitrosodi-n-propylamine	ND		7260	5820		ug/Kg	☼	80	45 - 107
N-Nitrosodiphenylamine	ND		7260	6260		ug/Kg	☼	86	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7260	5810		ug/Kg	☼	80	30 - 113
Pentachlorophenol	ND		14500	13500		ug/Kg	☼	93	42 - 110
Phenanthrene	ND		7260	6160		ug/Kg	☼	85	53 - 100
Phenol	ND		7260	5730		ug/Kg	☼	79	49 - 100
Pyrene	ND		7260	6260		ug/Kg	☼	86	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7260	6190		ug/Kg	☼	85	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7260	6270		ug/Kg	☼	86	47 - 104
2,4,5-Trichlorophenol	ND		7260	6240		ug/Kg	☼	86	50 - 104
2,4,6-Trichlorophenol	ND		7260	6480		ug/Kg	☼	89	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*44 - 105*
2-Fluorophenol (Surr)	*86*		*48 - 105*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*
Phenol-d5 (Surr)	*89*		*46 - 105*
Terphenyl-d14 (Surr)	*91*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*102*		*34 - 108*

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-165790-2 MSD
Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 453463
Prep Batch: 453330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7310	6110		ug/Kg	☼	84	50 - 100	0	20
Acenaphthylene	ND		7310	6190		ug/Kg	☼	85	52 - 100	0	20
Acetophenone	ND		7310	5940		ug/Kg	☼	81	48 - 100	4	17
Anthracene	ND		7310	6130		ug/Kg	☼	84	53 - 100	1	20
Atrazine	ND		7310	6430		ug/Kg	☼	88	49 - 103	2	19
Benzaldehyde	ND		7310	1900		ug/Kg	☼	26	23 - 105	1	31
Benzo[a]anthracene	ND		7310	6480		ug/Kg	☼	89	51 - 100	3	21
Benzo[a]pyrene	ND		7310	6720		ug/Kg	☼	92	51 - 100	1	20
Benzo[b]fluoranthene	ND		7310	6360		ug/Kg	☼	87	48 - 100	3	20
Benzo[g,h,i]perylene	ND		7310	6140		ug/Kg	☼	84	48 - 105	1	19
Benzo[k]fluoranthene	ND		7310	6360		ug/Kg	☼	87	19 - 100	0	20
1,1'-Biphenyl	ND		7310	5960		ug/Kg	☼	81	50 - 100	2	19
Bis(2-chloroethoxy)methane	ND		7310	5890		ug/Kg	☼	81	49 - 100	0	20
Bis(2-chloroethyl)ether	ND		7310	5630		ug/Kg	☼	77	48 - 100	0	18
Bis(2-ethylhexyl) phthalate	ND		7310	6080		ug/Kg	☼	83	53 - 107	2	20
4-Bromophenyl phenyl ether	ND		7310	6490		ug/Kg	☼	89	52 - 101	0	20
Butyl benzyl phthalate	ND		7310	6190		ug/Kg	☼	85	52 - 107	3	19
Caprolactam	ND		7310	6940		ug/Kg	☼	95	48 - 111	4	23
Carbazole	ND		7310	6350		ug/Kg	☼	87	53 - 100	2	20
4-Chloroaniline	ND		7310	5780		ug/Kg	☼	79	47 - 100	2	20
4-Chloro-3-methylphenol	ND		7310	6210		ug/Kg	☼	85	49 - 106	2	20
2-Chloronaphthalene	ND		7310	6170		ug/Kg	☼	84	51 - 100	0	20
2-Chlorophenol	ND		7310	5840		ug/Kg	☼	80	51 - 100	0	17
4-Chlorophenyl phenyl ether	ND		7310	6240		ug/Kg	☼	85	52 - 100	1	19
Chrysene	ND		7310	6830		ug/Kg	☼	93	50 - 100	5	20
Dibenz(a,h)anthracene	ND		7310	6230		ug/Kg	☼	85	50 - 107	1	21
Dibenzofuran	ND		7310	5990		ug/Kg	☼	82	52 - 100	2	19
3,3'-Dichlorobenzidine	ND		7310	5960		ug/Kg	☼	82	43 - 100	7	19
2,4-Dichlorophenol	ND		7310	6490		ug/Kg	☼	89	53 - 101	1	22
Diethyl phthalate	ND		7310	5930		ug/Kg	☼	81	48 - 104	2	20
2,4-Dimethylphenol	ND	*-	7310	4510		ug/Kg	☼	62	51 - 101	2	32
Dimethyl phthalate	ND		7310	6170		ug/Kg	☼	84	53 - 100	1	21
Di-n-butyl phthalate	ND		7310	6160		ug/Kg	☼	84	57 - 102	1	20
4,6-Dinitro-2-methylphenol	ND		14600	14400		ug/Kg	☼	98	51 - 100	6	22
2,4-Dinitrophenol	ND		14600	13700		ug/Kg	☼	94	33 - 101	3	20
2,4-Dinitrotoluene	ND		7310	7160		ug/Kg	☼	98	54 - 104	2	20
2,6-Dinitrotoluene	ND		7310	6850		ug/Kg	☼	94	51 - 106	3	20
Di-n-octyl phthalate	ND		7310	6260		ug/Kg	☼	86	41 - 106	2	18
1,4-Dioxane	ND		7310	4960		ug/Kg	☼	68	25 - 125	0	17
Fluoranthene	ND		7310	6330		ug/Kg	☼	87	55 - 100	2	20
Fluorene	ND		7310	5980		ug/Kg	☼	82	52 - 100	0	19
Hexachlorobenzene	ND		7310	6400		ug/Kg	☼	88	49 - 100	3	20
Hexachlorobutadiene	ND		7310	6300		ug/Kg	☼	86	38 - 107	0	22
Hexachlorocyclopentadiene	ND		7310	3690		ug/Kg	☼	50	33 - 117	5	19
Hexachloroethane	ND		7310	5750		ug/Kg	☼	79	47 - 100	1	17
Indeno[1,2,3-cd]pyrene	ND		7310	6390		ug/Kg	☼	87	51 - 103	1	19
Isophorone	ND		7310	6160		ug/Kg	☼	84	48 - 105	2	20
2-Methylnaphthalene	ND		7310	6520		ug/Kg	☼	89	53 - 100	1	21

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-165790-2 MSD
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 453330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7310	5940		ug/Kg	☼	81	50 - 101	2	17
Methylphenol, 3 & 4	ND		7310	6050		ug/Kg	☼	83	50 - 103	2	19
Naphthalene	ND		7310	6040		ug/Kg	☼	83	51 - 100	1	20
2-Nitroaniline	ND		7310	5690		ug/Kg	☼	78	42 - 123	3	19
3-Nitroaniline	ND		7310	6670		ug/Kg	☼	91	50 - 103	1	20
4-Nitroaniline	ND		7310	6550		ug/Kg	☼	90	52 - 103	0	18
Nitrobenzene	ND		7310	5940		ug/Kg	☼	81	44 - 108	2	21
2-Nitrophenol	ND		7310	7130		ug/Kg	☼	98	55 - 107	5	19
4-Nitrophenol	ND		14600	11500		ug/Kg	☼	79	30 - 134	0	18
N-Nitrosodi-n-propylamine	ND		7310	5990		ug/Kg	☼	82	45 - 107	3	18
N-Nitrosodiphenylamine	ND		7310	6400		ug/Kg	☼	88	52 - 100	2	20
2,2'-oxybis[1-chloropropane]	ND		7310	5930		ug/Kg	☼	81	30 - 113	2	17
Pentachlorophenol	ND		14600	13800		ug/Kg	☼	94	42 - 110	2	20
Phenanthrene	ND		7310	6300		ug/Kg	☼	86	53 - 100	2	20
Phenol	ND		7310	5830		ug/Kg	☼	80	49 - 100	2	16
Pyrene	ND		7310	6470		ug/Kg	☼	88	52 - 100	3	20
1,2,4,5-Tetrachlorobenzene	ND		7310	6090		ug/Kg	☼	83	41 - 104	2	21
2,3,4,6-Tetrachlorophenol	ND		7310	6320		ug/Kg	☼	86	47 - 104	1	18
2,4,5-Trichlorophenol	ND		7310	6170		ug/Kg	☼	84	50 - 104	1	21
2,4,6-Trichlorophenol	ND		7310	6740		ug/Kg	☼	92	50 - 105	4	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*44 - 105*
2-Fluorophenol (Surr)	*83*		*48 - 105*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*
Phenol-d5 (Surr)	*91*		*46 - 105*
Terphenyl-d14 (Surr)	*93*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*105*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-453256/1-A
Matrix: Solid
Analysis Batch: 453304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1221	ND		17	5.9	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1232	ND		17	4.1	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1242	ND		17	2.4	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1248	ND		17	4.0	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1254	ND		17	5.0	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1260	ND		17	4.7	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1262	ND		17	5.9	ug/Kg		11/30/23 12:12	12/01/23 21:33	1
PCB-1268	ND		17	2.2	ug/Kg		11/30/23 12:12	12/01/23 21:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*119*		*63 - 138*	*11/30/23 12:12*	*12/01/23 21:33*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 180-453256/1-A
Matrix: Solid
Analysis Batch: 453304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453256

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	114		63 - 138	11/30/23 12:12	12/01/23 21:33	1
Tetrachloro-m-xylene (Surr)	120		55 - 135	11/30/23 12:12	12/01/23 21:33	1
Tetrachloro-m-xylene (Surr)	122		55 - 135	11/30/23 12:12	12/01/23 21:33	1

Lab Sample ID: LCS 180-453256/2-A
Matrix: Solid
Analysis Batch: 453304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453256

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1680		ug/Kg		126	43 - 136		
PCB-1260			1330	1360		ug/Kg		102	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	116		63 - 138
DCB Decachlorobiphenyl (Surr)	109		63 - 138
Tetrachloro-m-xylene (Surr)	118		55 - 135
Tetrachloro-m-xylene (Surr)	120		55 - 135

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 453304

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 453256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1470	1400		ug/Kg	☼	95	43 - 136		
PCB-1260	12	J	1470	1130		ug/Kg	☼	76	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	90		63 - 138
DCB Decachlorobiphenyl (Surr)	85		63 - 138
Tetrachloro-m-xylene (Surr)	88		55 - 135
Tetrachloro-m-xylene (Surr)	93		55 - 135

Lab Sample ID: 180-165790-2 MSD
Matrix: Solid
Analysis Batch: 453304

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 453256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1480	1640		ug/Kg	☼	110	43 - 136	15	40
PCB-1260	12	J	1480	1340		ug/Kg	☼	89	55 - 128	17	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	105		63 - 138
DCB Decachlorobiphenyl (Surr)	100		63 - 138
Tetrachloro-m-xylene (Surr)	97		55 - 135
Tetrachloro-m-xylene (Surr)	100		55 - 135

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-452789/1-A
Matrix: Solid
Analysis Batch: 453006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.82	0.51	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Barium	ND		16	2.9	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Beryllium	ND		0.33	0.089	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Cadmium	ND		0.41	0.060	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Calcium	ND		410	53	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Chromium	ND		0.41	0.37	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Cobalt	ND		4.1	0.58	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Copper	ND		2.0	1.2	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Iron	ND		33	23	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Lead	ND		8.2	5.2	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Magnesium	ND		410	45	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Manganese	ND		1.2	0.93	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Nickel	ND		3.3	0.41	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Potassium	ND		410	70	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Selenium	ND		0.82	0.38	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Silver	ND		0.41	0.085	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Sodium	ND		410	42	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Thallium	ND		1.6	0.23	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Vanadium	ND		4.1	0.65	mg/Kg		11/27/23 08:53	11/28/23 15:41	1
Zinc	ND		8.2	3.7	mg/Kg		11/27/23 08:53	11/28/23 15:41	1

Lab Sample ID: MB 180-452789/1-A
Matrix: Solid
Analysis Batch: 453777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		16	7.6	mg/Kg		11/27/23 08:53	12/05/23 14:05	1
Antimony	ND		0.82	0.25	mg/Kg		11/27/23 08:53	12/05/23 14:05	1

Lab Sample ID: LCS 180-452789/2-A
Matrix: Solid
Analysis Batch: 453006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	80.6	79.8		mg/Kg		99	80 - 120
Barium	80.6	84.0		mg/Kg		104	80 - 120
Beryllium	40.3	41.1		mg/Kg		102	80 - 120
Cadmium	40.3	40.3		mg/Kg		100	80 - 120
Calcium	2020	2150		mg/Kg		106	80 - 120
Chromium	40.3	41.2		mg/Kg		102	80 - 120
Cobalt	40.3	39.0		mg/Kg		97	80 - 120
Copper	40.3	43.6		mg/Kg		108	80 - 120
Iron	403	434		mg/Kg		108	80 - 120
Lead	40.3	39.9		mg/Kg		99	80 - 120
Magnesium	2020	2090		mg/Kg		104	80 - 120
Manganese	40.3	41.0		mg/Kg		102	80 - 120
Nickel	40.3	40.2		mg/Kg		100	80 - 120
Potassium	2020	2040		mg/Kg		101	80 - 120
Selenium	80.6	82.8		mg/Kg		103	80 - 120

Method: EPA 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-452789/2-A
Matrix: Solid
Analysis Batch: 453006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	20.2	21.9		mg/Kg		108	80 - 120
Sodium	2020	2060		mg/Kg		102	80 - 120
Thallium	80.6	84.7		mg/Kg		105	80 - 120
Vanadium	40.3	39.0		mg/Kg		97	80 - 120
Zinc	20.2	19.5		mg/Kg		97	80 - 120

Lab Sample ID: LCS 180-452789/2-A
Matrix: Solid
Analysis Batch: 453777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	403	405		mg/Kg		100	80 - 120
Antimony	20.2	21.5		mg/Kg		106	80 - 120

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 453006

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	8.9		78.2	70.9		mg/Kg	☼	79	75 - 125
Barium	72	F1	78.2	147		mg/Kg	☼	95	75 - 125
Beryllium	0.38	F1	39.1	31.2		mg/Kg	☼	79	75 - 125
Cadmium	ND	F1	39.1	30.9		mg/Kg	☼	79	75 - 125
Calcium	3800		1950	5380		mg/Kg	☼	80	75 - 125
Chromium	11	F1	39.1	43.0		mg/Kg	☼	82	75 - 125
Cobalt	9.5	F1	39.1	38.6	F1	mg/Kg	☼	74	75 - 125
Copper	21	F1 F2	39.1	59.8		mg/Kg	☼	100	75 - 125
Iron	24000		391	26300	4	mg/Kg	☼	560	75 - 125
Lead	31	F1	39.1	44.1	F1	mg/Kg	☼	32	75 - 125
Magnesium	3300	F1	1950	5280		mg/Kg	☼	101	75 - 125
Manganese	510	F2	39.1	402	4	mg/Kg	☼	-265	75 - 125
Nickel	18	F1	39.1	50.5		mg/Kg	☼	83	75 - 125
Potassium	700	F1	1950	2100	F1	mg/Kg	☼	72	75 - 125
Selenium	ND	F1	78.2	60.5		mg/Kg	☼	77	75 - 125
Silver	ND		19.5	17.1		mg/Kg	☼	87	75 - 125
Sodium	43	J F1	1950	1600		mg/Kg	☼	80	75 - 125
Thallium	ND	F1	78.2	59.8		mg/Kg	☼	77	75 - 125
Vanadium	13	F1	39.1	43.4		mg/Kg	☼	77	75 - 125
Zinc	53	F1	19.5	69.6		mg/Kg	☼	87	75 - 125

Lab Sample ID: 180-165790-2 MS
Matrix: Solid
Analysis Batch: 453777

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10000		391	11100	4	mg/Kg	☼	278	75 - 125
Antimony	0.41	J F1	19.5	7.08	F1	mg/Kg	☼	34	75 - 125

Method: EPA 6010D - Metals (ICP) (Continued)

Lab Sample ID: 180-165790-2 MSD
Matrix: Solid
Analysis Batch: 453006

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	8.9		76.1	66.7		mg/Kg	☼	76	75 - 125	6	20
Barium	72	F1	76.1	128	F1	mg/Kg	☼	73	75 - 125	14	20
Beryllium	0.38	F1	38.0	26.9	F1	mg/Kg	☼	70	75 - 125	15	20
Cadmium	ND	F1	38.0	26.7	F1	mg/Kg	☼	70	75 - 125	15	20
Calcium	3800		1900	5480		mg/Kg	☼	88	75 - 125	2	20
Chromium	11	F1	38.0	37.3	F1	mg/Kg	☼	69	75 - 125	14	20
Cobalt	9.5	F1	38.0	33.5	F1	mg/Kg	☼	63	75 - 125	14	20
Copper	21	F1 F2	38.0	45.5	F1 F2	mg/Kg	☼	65	75 - 125	27	20
Iron	24000		380	24800	4	mg/Kg	☼	189	75 - 125	6	20
Lead	31	F1	38.0	41.6	F1	mg/Kg	☼	27	75 - 125	6	20
Magnesium	3300	F1	1900	4390	F1	mg/Kg	☼	57	75 - 125	18	20
Manganese	510	F2	38.0	601	4 F2	mg/Kg	☼	249	75 - 125	40	20
Nickel	18	F1	38.0	42.5	F1	mg/Kg	☼	64	75 - 125	17	20
Potassium	700	F1	1900	1790	F1	mg/Kg	☼	57	75 - 125	16	20
Selenium	ND	F1	76.1	52.8	F1	mg/Kg	☼	69	75 - 125	14	20
Silver	ND		19.0	14.8		mg/Kg	☼	78	75 - 125	14	20
Sodium	43	J F1	1900	1370	F1	mg/Kg	☼	70	75 - 125	16	20
Thallium	ND	F1	76.1	51.7	F1	mg/Kg	☼	68	75 - 125	15	20
Vanadium	13	F1	38.0	38.9	F1	mg/Kg	☼	67	75 - 125	11	20
Zinc	53	F1	19.0	58.0	F1	mg/Kg	☼	28	75 - 125	18	20

Lab Sample ID: 180-165790-2 MSD
Matrix: Solid
Analysis Batch: 453777

Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Prep Type: Total/NA
Prep Batch: 452789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	10000		380	9480	4	mg/Kg	☼	-132	75 - 125	15	20
Antimony	0.41	J F1	19.0	6.20	F1	mg/Kg	☼	30	75 - 125	13	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-453229/1-A
Matrix: Solid
Analysis Batch: 453371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453229

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/30/23 11:45	12/01/23 09:56	1

Lab Sample ID: LCS 180-453229/2-A
Matrix: Solid
Analysis Batch: 453371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.389		mg/Kg		93	80 - 120		

Method: EPA 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 180-165790-2 MS
Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 453371
Prep Batch: 453229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.168	0.158		mg/Kg	☼	94	80 - 120

Lab Sample ID: 180-165790-2 MSD
Client Sample ID: SSHS-IRM5A2-SCV103-0.17-1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 453371
Prep Batch: 453229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.168	0.165		mg/Kg	☼	98	80 - 120	4	20

GC/MS VOA

Analysis Batch: 452606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8260D	452669
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	EPA 8260D	452669
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	EPA 8260D	452669
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	EPA 8260D	452669
MB 180-452606/7	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-452606/3	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-452606/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8260D	452669
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8260D	452669

Prep Batch: 452669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	5035	
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	5035	
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	5035	
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	5035	
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	5035	
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	5035	

Analysis Batch: 452762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	EPA 8260D	452854
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	EPA 8260D	452854
MB 180-452762/12	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-452762/9	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-452762/10	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	

Prep Batch: 452854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	5035	
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 453330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	3541	
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3541	
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	3541	
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	3541	
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	3541	
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	3541	
MB 180-453330/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-453330/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3541	
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3541	

Analysis Batch: 453463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	EPA 8270E	453330
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8270E	453330

GC/MS Semi VOA (Continued)

Analysis Batch: 453463 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	EPA 8270E	453330
MB 180-453330/1-A	Method Blank	Total/NA	Solid	EPA 8270E	453330
LCS 180-453330/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	453330
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8270E	453330
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8270E	453330

Analysis Batch: 453500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	EPA 8270E	453330
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	EPA 8270E	453330
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	EPA 8270E	453330

GC Semi VOA

Prep Batch: 453256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	3541	
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3541	
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	3541	
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	3541	
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	3541	
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	3541	
MB 180-453256/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-453256/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3541	
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3541	

Analysis Batch: 453304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	EPA 8082A	453256
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8082A	453256
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	EPA 8082A	453256
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	EPA 8082A	453256
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	EPA 8082A	453256
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	EPA 8082A	453256
MB 180-453256/1-A	Method Blank	Total/NA	Solid	EPA 8082A	453256
LCS 180-453256/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	453256
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8082A	453256
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 8082A	453256

Metals

Prep Batch: 452789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	3050B	
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3050B	
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	3050B	
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	3050B	
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	3050B	
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	3050B	
MB 180-452789/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-452789/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 452789 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3050B	
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	3050B	

Analysis Batch: 453006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	EPA 6010D	452789
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 6010D	452789
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	EPA 6010D	452789
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	EPA 6010D	452789
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	EPA 6010D	452789
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	EPA 6010D	452789
MB 180-452789/1-A	Method Blank	Total/NA	Solid	EPA 6010D	452789
LCS 180-452789/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	452789
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 6010D	452789
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 6010D	452789

Prep Batch: 453229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	7471B	
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	7471B	
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	7471B	
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	7471B	
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	7471B	
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	7471B	
MB 180-453229/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-453229/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	7471B	
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	7471B	

Analysis Batch: 453371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	EPA 7471B	453229
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 7471B	453229
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	EPA 7471B	453229
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	EPA 7471B	453229
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	EPA 7471B	453229
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	EPA 7471B	453229
MB 180-453229/1-A	Method Blank	Total/NA	Solid	EPA 7471B	453229
LCS 180-453229/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	453229
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 7471B	453229
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 7471B	453229

Analysis Batch: 453777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	EPA 6010D	452789
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 6010D	452789
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	EPA 6010D	452789
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	EPA 6010D	452789
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	EPA 6010D	452789
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	EPA 6010D	452789
MB 180-452789/1-A	Method Blank	Total/NA	Solid	EPA 6010D	452789

Metals (Continued)

Analysis Batch: 453777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-452789/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	452789
180-165790-2 MS	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 6010D	452789
180-165790-2 MSD	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	EPA 6010D	452789

General Chemistry

Analysis Batch: 452910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	2540G	
180-165790-2	SSHS-IRM5A2-SCV103-0.17-1	Total/NA	Solid	2540G	
180-165790-4	SSHS-IRM5A2-SCV104-0-0.17	Total/NA	Solid	2540G	
180-165790-5	SSHS-IRM5A2-SCV104-0.17-1	Total/NA	Solid	2540G	

Analysis Batch: 452987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	2540G	

Analysis Batch: 453980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-3	SSHS-IRM5A2-SCV103-1-2	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	Z MILLER / 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #

Address	Due Date Requested	City	TAT Requested (days)	State, Zip	PO #	Phone	WO #	Email	Project #	Project Name	SSOW#	Site
10211 Wincopin Circle 4th Floor		Columbia	STANDARD	MD, 21044	MN0832I	40-381-4333		akrasnopoler@geosyntec.com	18013464	Former Sperry Remington Site		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV103-0-0.17	11/21/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-SCV103-0.17-1	11/21/23	1435	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-SCV103-0.17-1 depth should be 1-2 as per Zacxh Miller. D. Dunlap 11/22/23	11/21/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0-0 17	11/21/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0.17-1	11/21/23	1450	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-1-2	11/21/23	1455	G	S	N	N	X	X	X	X	X	X	8	

180-165790 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	11/21/23 16:00	Geosyntec		11-22-23 0900	EST ANE
2		Date/Time.	Company	Received by	Date/Time.	Company
3		Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV103-0-0.17	11/21/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-SCV103-0.17-1	11/21/23	1435	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-SCV103-0.17-1	11/21/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0-0.17	11/21/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0.17-1	11/21/23	1450	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-1-2	11/21/23	1455	G	S	N	N	X	X	X	X	X	X	8	

180-165790 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Zach Miller	Date/Time: 11/21/23 16:00	Company: Geosyntec	Received by:	Date/Time: 11/22/23 815	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 5.1°C

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Loc 180
165790

Tracking # 1741 7450 6258

Job._____ _____

SO / CO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID C10 Corr Factor (+ / -) _____ °C

Ice ~ Wet_____ Gel _____ Other _____

Cooler Custody Seal 222543

Cooler ID _____

Temp Observed 5.1 °C Corrected 5.1 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials. JF Date. 11/22/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials _____ Date. 11-22-23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials. _____ Date. 11 22 23

WR3 01E

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165790-1

Login Number: 165790
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/8/2023 12:13:33 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-165790-2

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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12/8/2023 12:13:33 PM

Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-165790-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-165790-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/22/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7°C and 5.1°C

PFAS
Method PFC_IDA: Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (CCB 320-725676/1). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method PFC_IDA: The continuing calibration verification (CCV) associated with batch 320-725676 recovered above the upper control limit for isotope dilution analyte (IDA, d3-NMeFOSAA. The associated target analyte, N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA), was within control limits in the CCV; therefore, the data is reported: (CCV 320-725676/31).

Method PFC_IDA: The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: SSHS-IRM5A2-SCV103-0-0.17 (180-165790-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Solid	11/21/23 14:30	11/22/23 09:00
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Solid	11/21/23 14:55	11/22/23 09:00

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1

Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.34 g	10.0 mL	724074	11/30/23 21:08	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	725676	12/07/23 14:07	S1C	EET SAC
	Instrument ID: A29									

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6

Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.12 g	10.0 mL	724074	11/30/23 21:08	PV	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	725676	12/07/23 14:18	S1C	EET SAC
	Instrument ID: A29									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Prep

PV = Pheng Vue

Batch Type: Analysis

S1C = Sudarat Chanprathad

Client Sample ID: SSHS-IRM5A2-SCV103-0-0.17
Lab Sample ID: 180-165790-1
Date Collected: 11/21/23 14:30
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 81.4

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.23	0.053	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluoropentanoic acid (PFPeA)	**0.052**	**J**	0.23	0.047	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J**	0.23	0.036	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluoroheptanoic acid (PFHpA)	**0.057**	**J**	0.23	0.044	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorooctanoic acid (PFOA)	**0.19**	**J**	0.23	0.061	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorononanoic acid (PFNA)	**0.20**	**J**	0.23	0.025	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorodecanoic acid (PFDA)	**0.18**	**J**	0.23	0.055	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluoroundecanoic acid (PFUnA)	**0.13**	**J**	0.23	0.048	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorododecanoic acid (PFDoA)	**0.099**	**J**	0.23	0.035	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorotridecanoic acid (PFTriA)	**0.090**	**J**	0.23	0.024	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorotetradecanoic acid (PFTeA)	**0.088**	**J**	0.23	0.043	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.044	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.033	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.23	0.056	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorooctanesulfonic acid (PFOS)	**0.83**	**I**	0.23	0.049	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.060	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.038	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.23	0.026	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.23	0.055	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
6:2 FTS	ND		0.23	0.031	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1
8:2 FTS	ND		0.23	0.040	ug/Kg	☼	11/30/23 21:08	12/07/23 14:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C5 PFPeA	*88*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C2 PFHxA	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C4 PFHpA	*86*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C4 PFOA	*92*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C5 PFNA	*89*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C2 PFDA	*96*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C2 PFUnA	*94*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C2 PFDoA	*90*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C3 PFBS	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
18O2 PFHxS	*87*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C4 PFOS	*95*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
13C8 FOSA	*97*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
d3-NMeFOSAA	*111*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
d5-NEtFOSAA	*121*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:07*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV104-1-2
Lab Sample ID: 180-165790-6
Date Collected: 11/21/23 14:55
Matrix: Solid
Date Received: 11/22/23 09:00
Percent Solids: 73.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.27	0.061	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluoropentanoic acid (PFPeA)	ND		0.27	0.055	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorohexanoic acid (PFHxA)	ND		0.27	0.041	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluoroheptanoic acid (PFHpA)	ND		0.27	0.051	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorooctanoic acid (PFOA)	ND		0.27	0.070	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorononanoic acid (PFNA)	ND		0.27	0.029	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorodecanoic acid (PFDA)	ND		0.27	0.064	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluoroundecanoic acid (PFUnA)	ND		0.27	0.056	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorododecanoic acid (PFDoA)	ND		0.27	0.040	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorotridecanoic acid (PFTriA)	ND		0.27	0.028	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.27	0.049	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.27	0.051	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.27	0.039	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.27	0.065	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.27	0.057	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.27	0.069	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
Perfluorooctanesulfonamide (FOSA)	ND		0.27	0.044	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.27	0.031	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.27	0.064	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
6:2 FTS	ND		0.27	0.036	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1
8:2 FTS	ND		0.27	0.047	ug/Kg	☼	11/30/23 21:08	12/07/23 14:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C5 PFPeA	*84*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C2 PFHxA	*85*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C4 PFHpA	*86*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C4 PFOA	*89*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C2 PFDA	*96*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C2 PFUnA	*98*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C2 PFDoA	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C3 PFBS	*75*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
18O2 PFHxS	*72*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C4 PFOS	*82*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
13C8 FOSA	*103*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
d3-NMeFOSAA	*120*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
d5-NEtFOSAA	*138*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
M2-6:2 FTS	*52*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*11/30/23 21:08*	*12/07/23 14:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-724074/1-A
Matrix: Solid
Analysis Batch: 725676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.046	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.041	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.031	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.038	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.053	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.022	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.048	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.042	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.030	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.021	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.037	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.038	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.029	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.049	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.043	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.052	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.033	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.023	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.048	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
6:2 FTS	ND		0.20	0.027	ug/Kg		11/30/23 21:08	12/07/23 13:33	1
8:2 FTS	ND		0.20	0.035	ug/Kg		11/30/23 21:08	12/07/23 13:33	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*56*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C5 PFPeA	*86*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFHxA	*83*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C4 PFHpA	*80*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C4 PFOA	*89*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C5 PFNA	*95*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFDA	*102*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFUnA	*101*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFDoA	*98*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C3 PFBS	*91*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
18O2 PFHxS	*91*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C4 PFOS	*97*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
13C8 FOSA	*103*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
d3-NMeFOSAA	*132*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
d5-NEtFOSAA	*133*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*11/30/23 21:08*	*12/07/23 13:33*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-724074/2-A
Matrix: Solid
Analysis Batch: 725676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.84		ug/Kg		92	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.69		ug/Kg		85	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.84		ug/Kg		92	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.98		ug/Kg		99	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.84		ug/Kg		92	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.73		ug/Kg		87	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.67		ug/Kg		83	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	1.91		ug/Kg		96	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.89		ug/Kg		95	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.78		ug/Kg		89	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.68		ug/Kg		84	67 - 127
Perfluorobutanesulfonic acid (PFBS)	1.78	1.61		ug/Kg		91	69 - 129
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.55		ug/Kg		85	62 - 122
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.65		ug/Kg		87	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	1.80		ug/Kg		97	68 - 141
Perfluorodecanesulfonic acid (PFDS)	1.93	1.68		ug/Kg		87	71 - 131
Perfluorooctanesulfonamide (FOSA)	2.00	1.75		ug/Kg		87	77 - 137
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.71		ug/Kg		86	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.95		ug/Kg		98	72 - 132
6:2 FTS	1.90	1.75		ug/Kg		92	73 - 139
8:2 FTS	1.92	1.79		ug/Kg		93	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*59*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*84*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*99*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*96*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*91*		*25 - 150*
13C4 PFOS	*95*		*25 - 150*
13C8 FOSA	*107*		*25 - 150*
d3-NMeFOSAA	*148*		*25 - 150*
d5-NEtFOSAA	*139*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-724074/2-A
Matrix: Solid
Analysis Batch: 725676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724074

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	91		25 - 150

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165790-2
Project/Site: Former Sperry Remington-Documentation

LCMS

Prep Batch: 724074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	SHAKE	
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	SHAKE	
MB 320-724074/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-724074/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 725676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165790-1	SSHS-IRM5A2-SCV103-0-0.17	Total/NA	Solid	537 (modified)	724074
180-165790-6	SSHS-IRM5A2-SCV104-1-2	Total/NA	Solid	537 (modified)	724074
MB 320-724074/1-A	Method Blank	Total/NA	Solid	537 (modified)	724074
LCS 320-724074/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	724074

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

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Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	Z MILLER / 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV103-0-0.17	11/21/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-SCV103-0.17-1	11/21/23	1435	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-SCV103-0.17-1 depth should be 1-2 as per Zacxh Miller. D. Dunlap 11/22/23	11/21/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0-0 17	11/21/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0.17-1	11/21/23	1450	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-1-2	11/21/23	1455	G	S	N	N	X	X	X	X	X	X	8	

180-165790 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zach Miller	11/21/23 16:00	Geosyntec		11-22-23 0900	EUFANS
2	Relinquished by	Date/Time.	Company	Received by	Date/Time.	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

12/8/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV103-0-0.17	11/21/23	1430	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-SCV103-0.17-1	11/21/23	1435	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-SCV103-0.17-1	11/21/23	1440	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0-0.17	11/21/23	1445	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-0.17-1	11/21/23	1450	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV104-1-2	11/21/23	1455	G	S	N	N	X	X	X	X	X	X	8	

180-165790 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Zach Miller	11/21/23 16:00	Company: Geosyntec		11/22/23 815	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.1°C

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Loc 180
165790

Tracking # 1741 7450 6258

Job._____ _____

SO / CO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID C10 Corr Factor (+ / -) _____ °C

Ice ~ Wet_____ Gel _____ Other _____

Cooler Custody Seal 222543

Cooler ID _____

Temp Observed 5.1 °C Corrected 5.1 °C
From Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials. JF Date. 11/22/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☑	☐
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials GP Date. 11-22-23

Notes _____

Trizma Lot #(s) _____

Ammonium
Acetate Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials. GP Date. 11 22 23

WR3 01E

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165790-2

Login Number: 165790

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165790-2

Login Number: 165790
List Number: 2
Creator: Medeiros, Ryan M

List Source: Eurofins Sacramento
List Creation: 11/22/23 12:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2222843
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/12/2023 3:02:26 PM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-165688-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
David Dunlap, Senior Project Manager
David.Dunlap@et.eurofinsus.com
(412)963-2432

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Job ID: 180-165688-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-165688-1

Receipt
The samples were received on 11/21/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9º C and 5.0º C.

GC/MS VOA
Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for batch 180-452606 recovered above the control limits for the following analyte: Trichlorofluoromethane. As this analyte was biased high in the LCS/LCSD and was not detected in the associated samples, the results were reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-452606 was below criteria for the following analytes: 1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone, and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 180-452606 was above criteria for the following analytes: 1,4-Dioxane, Chloroethane, Chlorobromomethane, Chloromethane, and Trichlorofluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E: The laboratory control sample(LCS) for preparation batch 180-453330 recovered slightly below the control limits for the following analyte: 2,4-Dimethylphenol. 2,4-Dimethylphenol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 180-453463 was above criteria for the following analyte: Pentachlorophenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The laboratory control sample (LCS 180-453052/2-A) had the recovery of surrogate tetrachloro-m-xylene slightly above the control limits on column RTX-CLP1. The recovery on column RTX-CLP2 and the recoveries of decachlorobiphenyl were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-453217 (CCV 180-453217/1) was above criteria for aroclor 1221 on column RTX-CLP2. Associated results were reported from column RTX-CLP1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-453217 (CCV 180-453217/4) was above criteria for aroclor 1248 for 1 peak on column RTX-CLP2. Associated positive sample results for aroclor 1248 were reported from column RTX-CLP2 and did not have this peak included in the quantitation of the results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010D: The following sample was diluted to bring the concentration of calcium within the calibration range: SSHS-IRM5A2-SCV102-1-2 (180-165688-6). Elevated reporting limits (RLs) are provided. Copper was also reported from dilution due to inter-element corrections associated with calcium. Lead, antimony, and selenium were also reported from dilution as the undiluted analysis had QC failures for these analytes.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 180-165688-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540G		Solid	Percent Moisture
2540G		Solid	Percent Solids
EPA 8260D	5035	Solid	1,2-Dichloroethene, Total

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Solid	11/20/23 14:10	11/21/23 09:20
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Solid	11/20/23 14:15	11/21/23 09:20
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Solid	11/20/23 15:20	11/21/23 09:20
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Solid	11/20/23 00:00	11/21/23 09:20
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Solid	11/20/23 15:25	11/21/23 09:20
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Solid	11/20/23 15:30	11/21/23 09:20

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
EPA 8260D	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7471B	Mercury (CVAA)	SW846	EET PIT
2540G	SM 2540G	SM22	EET PIT
3050B	Preparation, Metals	SW846	EET PIT
3541	Automated Soxhlet Extraction	SW846	EET PIT
5035	Closed System Purge and Trap	SW846	EET PIT
7471B	Preparation, Mercury	SW846	EET PIT

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV101-0-0.17
Lab Sample ID: 180-165688-1
Date Collected: 11/20/23 14:10
Matrix: Solid
Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452987	11/28/23 16:35	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV101-0-0.17
Lab Sample ID: 180-165688-1
Date Collected: 11/20/23 14:10
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0062 g	5 mL	452669	11/22/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 11:58	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 15:13	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 19:23	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			452865	11/28/23 01:24	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.60 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453223	11/29/23 17:36	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453333	11/30/23 19:17	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	453127	11/29/23 13:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453262	11/30/23 13:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2
Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			453980	12/07/23 15:42	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2
Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0306 g	5 mL	452669	11/22/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 12:24	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2

Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 15:35	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 19:42	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.60 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			452865	11/28/23 01:29	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.60 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453223	11/29/23 17:51	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.60 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453333	11/30/23 19:22	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	453127	11/29/23 13:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453262	11/30/23 13:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3

Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452987	11/28/23 16:35	SNR	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3

Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1162 g	5 mL	452669	11/22/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 12:50	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.5 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 15:56	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.3 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 20:01	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.61 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			452865	11/28/23 01:34	AAS	EET PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3
Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.61 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453223	11/29/23 17:56	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.61 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453333	11/30/23 19:27	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	453127	11/29/23 13:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453262	11/30/23 13:09	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Lab Sample ID: 180-165688-4
Date Collected: 11/20/23 00:00
Matrix: Solid
Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Lab Sample ID: 180-165688-4
Date Collected: 11/20/23 00:00
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3071 g	5 mL	452669	11/22/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 13:14	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 16:17	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 20:19	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.62 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			452865	11/28/23 01:39	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.62 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453223	11/29/23 18:01	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453333	11/30/23 19:32	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	453127	11/29/23 13:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453262	11/30/23 13:10	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5
Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5
Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0039 g	5 mL	452669	11/22/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 13:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 16:39	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.0 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 20:38	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.62 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			452865	11/28/23 01:44	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.62 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453223	11/29/23 18:07	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.62 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			453333	11/30/23 19:38	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	453127	11/29/23 13:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453262	11/30/23 13:11	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6
Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			452910	11/28/23 09:23	Z1M	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6
Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0605 g	5 mL	452669	11/22/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260D		1	5 mL	5 mL	452606	11/22/23 10:50	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6

Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	5.0 mL	453330	12/01/23 08:37	VJC	EET PIT
Total/NA	Analysis	EPA 8270E		1	1 mL	1 mL	453500	12/04/23 17:00	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3541			15.2 g	20.0 mL	453052	11/29/23 08:13	DVC	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	453217	11/30/23 20:57	JMO	EET PIT
	Instrument ID: CHGC16									
Total/NA	Prep	3050B			0.63 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		1			452865	11/28/23 01:49	AAS	EET PIT
	Instrument ID: C									
Total/NA	Prep	3050B			0.63 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		5			453223	11/29/23 18:12	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.63 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		5			453333	11/30/23 19:43	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.63 g	50 mL	452671	11/25/23 09:40	ZDA	EET PIT
Total/NA	Analysis	EPA 6010D		5			454102	12/08/23 14:47	AAS	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	453127	11/29/23 13:15	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			453262	11/30/23 13:16	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET PIT

Batch Type: Prep

DVC = Daniel Capodanno
MTW = Michael Wesoloski
PJJ = Patrick Journet
VJC = Vincent Cervone
ZDA = Zachary Ausburn

Batch Type: Analysis

AAS = Ariana Swick
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
SNR = Sabra Richart
VVP = Vincent Piccolino
Z1M = Zee Menakruzz

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV101-0-0.17
Lab Sample ID: 180-165688-1
Date Collected: 11/20/23 14:10
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 78.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		32	5.0	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Benzene	ND		6.4	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Bromoform	ND		6.4	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Bromomethane	ND		6.4	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
2-Butanone (MEK)	ND		32	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Carbon disulfide	ND		6.4	5.1	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Carbon tetrachloride	ND		6.4	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Chlorobenzene	ND		6.4	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Chlorobromomethane	ND		6.4	3.8	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Chlorodibromomethane	ND		6.4	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Chloroethane	ND		6.4	3.7	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Chloroform	ND		6.4	4.3	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Chloromethane	ND		6.4	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
cis-1,2-Dichloroethene	ND		6.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
cis-1,3-Dichloropropene	ND		6.4	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Cyclohexane	ND		6.4	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2-Dibromo-3-Chloropropane	ND		6.4	4.1	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2-Dibromoethane	ND		6.4	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2-Dichlorobenzene	ND		6.4	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,3-Dichlorobenzene	ND		6.4	3.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,4-Dichlorobenzene	ND		6.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Dichlorobromomethane	ND		6.4	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Dichlorodifluoromethane	ND		6.4	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,1-Dichloroethane	ND		6.4	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2-Dichloroethane	ND		6.4	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,1-Dichloroethene	ND		6.4	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2-Dichloroethene, Total	ND		13	5.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2-Dichloropropane	ND		6.4	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,4-Dioxane	ND		1300	96	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Ethylbenzene	ND		6.4	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
2-Hexanone	ND		32	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Isopropylbenzene	ND		6.4	3.3	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Methyl acetate	ND		32	9.4	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Methylcyclohexane	ND		6.4	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Methylene Chloride	ND		6.4	5.7	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		32	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Methyl tert-butyl ether	ND		6.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
m-Xylene & p-Xylene	ND		6.4	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
o-Xylene	ND		6.4	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Styrene	ND		6.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,1,2,2-Tetrachloroethane	ND		6.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Tetrachloroethene	ND		6.4	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Toluene	ND		6.4	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
trans-1,2-Dichloroethene	ND		6.4	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
trans-1,3-Dichloropropene	ND		6.4	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2,3-Trichlorobenzene	ND		13	3.5	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,2,4-Trichlorobenzene	ND		6.4	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,1,1-Trichloroethane	ND		6.4	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,1,2-Trichloroethane	ND		6.4	1.3	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1

Client Sample ID: SSHS-IRM5A2-SCV101-0-0.17
Lab Sample ID: 180-165688-1
Date Collected: 11/20/23 14:10
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 78.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		6.4	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Trichlorofluoromethane	ND	*+	6.4	5.3	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Vinyl chloride	ND		6.4	4.6	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1
Xylenes, Total	ND		13	9.2	ug/Kg	☼	11/22/23 07:05	11/22/23 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*60 - 124*	*11/22/23 07:05*	*11/22/23 11:58*	*1*
Dibromofluoromethane (Surr)	*98*		*69 - 126*	*11/22/23 07:05*	*11/22/23 11:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*73 - 135*	*11/22/23 07:05*	*11/22/23 11:58*	*1*
Toluene-d8 (Surr)	*84*		*67 - 134*	*11/22/23 07:05*	*11/22/23 11:58*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		84	24	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Acenaphthylene	ND		84	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Acetophenone	ND		840	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Anthracene	**80**	**J**	84	22	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Atrazine	ND		840	180	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Benzaldehyde	ND		840	52	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Benzo[a]anthracene	**440**		84	38	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Benzo[a]pyrene	**430**		84	36	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Benzo[b]fluoranthene	**520**		84	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Benzo[g,h,i]perylene	**350**		84	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Benzo[k]fluoranthene	**210**		84	25	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Bis(2-chloroethyl)ether	ND		84	15	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Butyl benzyl phthalate	ND		410	290	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Caprolactam	ND		2100	270	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Carbazole	**42**	**J**	84	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2-Chloronaphthalene	ND		84	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Chrysene	**480**		84	46	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Dibenz(a,h)anthracene	**95**		84	53	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Dibenzofuran	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,4-Dichlorophenol	ND		84	32	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,4-Dimethylphenol	ND	*-	410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4,6-Dinitro-2-methylphenol	ND		2100	720	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV101-0-0.17
Lab Sample ID: 180-165688-1
Date Collected: 11/20/23 14:10
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 78.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
1,4-Dioxane	ND		840	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Fluoranthene	**900**		84	22	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Fluorene	ND		84	16	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Hexachlorobenzene	ND		84	30	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Hexachlorobutadiene	ND		84	24	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Hexachlorocyclopentadiene	ND		410	43	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Hexachloroethane	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Indeno[1,2,3-cd]pyrene	**280**		84	41	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Isophorone	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2-Methylnaphthalene	ND		84	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2-Methylphenol	ND		410	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Methylphenol, 3 & 4	**310**	**J**	410	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Naphthalene	ND		84	16	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Nitrobenzene	ND		840	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
N-Nitrosodi-n-propylamine	ND		84	28	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,2'-oxybis[1-chloropropane]	ND		84	31	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Phenanthrene	**370**		84	22	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Phenol	ND		410	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
Pyrene	**700**		84	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*44 - 105*	*12/01/23 08:37*	*12/04/23 15:13*	*1*
2-Fluorophenol (Surr)	*79*		*48 - 105*	*12/01/23 08:37*	*12/04/23 15:13*	*1*
Nitrobenzene-d5 (Surr)	*91*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:13*	*1*
Phenol-d5 (Surr)	*88*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:13*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*12/01/23 08:37*	*12/04/23 15:13*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*34 - 108*	*12/01/23 08:37*	*12/04/23 15:13*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.8	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1221	ND		21	7.4	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1232	ND		21	5.1	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1242	ND		21	3.0	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1248	ND		21	5.0	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1254	**120**		21	6.2	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1260	**53**		21	5.9	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1

Client Sample ID: SSHS-IRM5A2-SCV101-0-0.17
Lab Sample ID: 180-165688-1

Date Collected: 11/20/23 14:10
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 78.5

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		21	7.3	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1
PCB-1268	ND		21	2.8	ug/Kg	☼	11/29/23 08:13	11/30/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*116*		*63 - 138*	*11/29/23 08:13*	*11/30/23 19:23*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*11/29/23 08:13*	*11/30/23 19:23*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*11/29/23 08:13*	*11/30/23 19:23*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*11/29/23 08:13*	*11/30/23 19:23*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		21	9.9	mg/Kg	☼	11/25/23 09:40	11/29/23 17:36	1
Antimony	**0.37**	**J**	1.1	0.32	mg/Kg	☼	11/25/23 09:40	11/30/23 19:17	1
Arsenic	**6.3**		1.1	0.67	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Barium	**98**		21	3.8	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Beryllium	**0.42**		0.42	0.12	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Cadmium	ND		0.53	0.078	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Calcium	**3900**		530	69	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Chromium	**12**		0.53	0.48	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Cobalt	**7.4**		5.3	0.75	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Copper	**19**		2.7	1.6	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Iron	**21000**		42	30	mg/Kg	☼	11/25/23 09:40	11/30/23 19:17	1
Lead	**38**		11	6.7	mg/Kg	☼	11/25/23 09:40	11/30/23 19:17	1
Magnesium	**3000**		530	58	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Manganese	**490**		1.6	1.2	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Nickel	**16**		4.2	0.53	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Potassium	**1000**		530	90	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Selenium	ND		1.1	0.49	mg/Kg	☼	11/25/23 09:40	11/30/23 19:17	1
Silver	ND		0.53	0.11	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Sodium	**56**	**J**	530	54	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Thallium	ND		2.1	0.30	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Vanadium	**13**		5.3	0.84	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1
Zinc	**81**		11	4.8	mg/Kg	☼	11/25/23 09:40	11/28/23 01:24	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.038	0.024	mg/Kg	☼	11/29/23 13:15	11/30/23 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**21.5**		0.1	0.1	%			11/28/23 16:35	1
Percent Solids (SM22 2540G)	**78.5**		0.1	0.1	%			11/28/23 16:35	1

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2

Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Benzene	ND		5.9	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2
Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.9	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Bromomethane	ND		5.9	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Carbon disulfide	ND		5.9	4.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Carbon tetrachloride	ND		5.9	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Chlorobenzene	ND		5.9	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Chlorobromomethane	ND		5.9	3.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Chlorodibromomethane	ND		5.9	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Chloroethane	ND		5.9	3.5	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Chloroform	ND		5.9	4.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Chloromethane	ND		5.9	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
cis-1,2-Dichloroethene	ND		5.9	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
cis-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Cyclohexane	ND		5.9	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2-Dibromo-3-Chloropropane	ND		5.9	3.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2-Dichlorobenzene	ND		5.9	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,3-Dichlorobenzene	ND		5.9	3.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,4-Dichlorobenzene	ND		5.9	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Dichlorobromomethane	ND		5.9	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Dichlorodifluoromethane	ND		5.9	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,1-Dichloroethane	ND		5.9	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2-Dichloroethane	ND		5.9	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,1-Dichloroethene	ND		5.9	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2-Dichloroethene, Total	ND		12	4.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2-Dichloropropane	ND		5.9	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,4-Dioxane	ND		1200	90	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Ethylbenzene	ND		5.9	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Isopropylbenzene	ND		5.9	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Methyl acetate	ND		30	8.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Methylcyclohexane	ND		5.9	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Methylene Chloride	ND		5.9	5.3	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Methyl tert-butyl ether	ND		5.9	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
m-Xylene & p-Xylene	ND		5.9	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
o-Xylene	ND		5.9	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Styrene	ND		5.9	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,1,2,2-Tetrachloroethane	ND		5.9	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Tetrachloroethene	ND		5.9	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Toluene	ND		5.9	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
trans-1,2-Dichloroethene	ND		5.9	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
trans-1,3-Dichloropropene	ND		5.9	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,2,4-Trichlorobenzene	ND		5.9	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,1,1-Trichloroethane	ND		5.9	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
1,1,2-Trichloroethane	ND		5.9	1.2	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Trichloroethene	ND		5.9	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Trichlorofluoromethane	ND	*+	5.9	4.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2
Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Vinyl chloride	ND		5.9	4.3	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1
Xylenes, Total	ND		12	8.5	ug/Kg	☼	11/22/23 07:05	11/22/23 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*60 - 124*	*11/22/23 07:05*	*11/22/23 12:24*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*11/22/23 07:05*	*11/22/23 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*11/22/23 07:05*	*11/22/23 12:24*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*11/22/23 07:05*	*11/22/23 12:24*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Acenaphthylene	**130**		77	17	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Acetophenone	ND		770	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Anthracene	**210**		77	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Atrazine	ND		770	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Benzaldehyde	ND		770	48	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Benzo[a]anthracene	**660**		77	35	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Benzo[a]pyrene	**640**		77	33	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Benzo[b]fluoranthene	**640**		77	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Benzo[g,h,i]perylene	**480**		77	17	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Benzo[k]fluoranthene	**340**		77	23	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Caprolactam	ND		2000	250	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Carbazole	**120**		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Chrysene	**620**		77	43	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Dibenz(a,h)anthracene	**160**		77	49	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Dibenzofuran	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,4-Dimethylphenol	ND	*-	380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2
Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		770	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Fluoranthene	**1400**		77	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Fluorene	**27**	**J**	77	15	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Hexachlorobenzene	ND		77	28	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Hexachlorobutadiene	ND		77	23	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Hexachloroethane	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Indeno[1,2,3-cd]pyrene	**370**		77	38	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Isophorone	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2-Methylnaphthalene	**24**	**J**	77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2-Methylphenol	ND		380	110	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Naphthalene	ND		77	15	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Nitrobenzene	ND		770	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,2'-oxybis[1-chloropropane]	ND		77	29	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Phenanthrene	**750**		77	21	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Phenol	ND		380	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
Pyrene	**1200**		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*44 - 105*	*12/01/23 08:37*	*12/04/23 15:35*	*1*
2-Fluorophenol (Surr)	*83*		*48 - 105*	*12/01/23 08:37*	*12/04/23 15:35*	*1*
Nitrobenzene-d5 (Surr)	*98*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:35*	*1*
Phenol-d5 (Surr)	*86*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:35*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*12/01/23 08:37*	*12/04/23 15:35*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*34 - 108*	*12/01/23 08:37*	*12/04/23 15:35*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1221	ND		20	7.0	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1232	ND		20	4.8	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1242	ND		20	2.9	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1248	**420**		20	4.8	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1254	**250**		20	6.0	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1260	**100**		20	5.7	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1262	ND		20	7.0	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1
PCB-1268	ND		20	2.7	ug/Kg	☼	11/29/23 08:13	11/30/23 19:42	1

Client Sample ID: SSHS-IRM5A2-SCV101-0.17-1
Lab Sample ID: 180-165688-2

Date Collected: 11/20/23 14:15
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 83.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*63 - 138*	*11/29/23 08:13*	*11/30/23 19:42*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*11/29/23 08:13*	*11/30/23 19:42*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*55 - 135*	*11/29/23 08:13*	*11/30/23 19:42*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*11/29/23 08:13*	*11/30/23 19:42*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9600**		20	9.3	mg/Kg	☼	11/25/23 09:40	11/29/23 17:51	1
Antimony	ND		0.99	0.30	mg/Kg	☼	11/25/23 09:40	11/30/23 19:22	1
Arsenic	**7.1**		0.99	0.62	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Barium	**130**		20	3.5	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Beryllium	**0.49**		0.40	0.11	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Cadmium	ND		0.50	0.073	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Calcium	**6800**		500	64	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Chromium	**13**		0.50	0.45	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Cobalt	**8.3**		5.0	0.70	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Copper	**18**		2.5	1.5	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Iron	**22000**		40	28	mg/Kg	☼	11/25/23 09:40	11/30/23 19:22	1
Lead	**36**		9.9	6.3	mg/Kg	☼	11/25/23 09:40	11/30/23 19:22	1
Magnesium	**3600**		500	55	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Manganese	**590**		1.5	1.1	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Nickel	**18**		4.0	0.50	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Potassium	**770**		500	85	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Selenium	ND		0.99	0.46	mg/Kg	☼	11/25/23 09:40	11/30/23 19:22	1
Silver	ND		0.50	0.10	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Sodium	**130**	**J**	500	51	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Thallium	ND		2.0	0.28	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Vanadium	**15**		5.0	0.79	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1
Zinc	**88**		9.9	4.5	mg/Kg	☼	11/25/23 09:40	11/28/23 01:29	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.037	0.024	mg/Kg	☼	11/29/23 13:15	11/30/23 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**16.2**		0.1	0.1	%			12/07/23 15:42	1
Percent Solids (SM22 2540G)	**83.8**		0.1	0.1	%			12/07/23 15:42	1

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3

Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		30	4.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Benzene	ND		6.0	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
2-Butanone (MEK)	ND		30	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3
Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Chlorobenzene	ND		6.0	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Chloroform	ND		6.0	4.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
cis-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Cyclohexane	ND		6.0	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Dichlorodifluoromethane	ND		6.0	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,4-Dioxane	ND		1200	90	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
2-Hexanone	ND		30	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Styrene	ND		6.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Toluene	ND		6.0	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2,3-Trichlorobenzene	ND		12	3.3	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,2,4-Trichlorobenzene	ND		6.0	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Trichlorofluoromethane	ND	*+	6.0	5.0	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1
Xylenes, Total	ND		12	8.6	ug/Kg	☼	11/22/23 07:05	11/22/23 12:50	1

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3

Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*11/22/23 07:05*	*11/22/23 12:50*	*1*
Dibromofluoromethane (Surr)	*108*		*69 - 126*	*11/22/23 07:05*	*11/22/23 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*73 - 135*	*11/22/23 07:05*	*11/22/23 12:50*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*11/22/23 07:05*	*11/22/23 12:50*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		79	23	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Acenaphthylene	ND		79	17	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Acetophenone	ND		790	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Anthracene	ND		79	20	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Atrazine	ND		790	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Benzaldehyde	ND		790	49	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Benzo[a]anthracene	**76**	**J**	79	36	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Benzo[a]pyrene	**72**	**J**	79	34	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Benzo[b]fluoranthene	**83**		79	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Benzo[g,h,i]perylene	**59**	**J**	79	17	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Benzo[k]fluoranthene	**38**	**J**	79	24	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
1,1'-Biphenyl	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Bis(2-chloroethoxy)methane	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Bis(2-chloroethyl)ether	ND		79	14	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Bis(2-ethylhexyl) phthalate	ND		3900	420	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4-Bromophenyl phenyl ether	ND		390	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Butyl benzyl phthalate	ND		390	270	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Caprolactam	ND		2000	260	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Carbazole	ND		79	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4-Chloroaniline	ND		390	100	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4-Chloro-3-methylphenol	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2-Chloronaphthalene	ND		79	18	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2-Chlorophenol	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4-Chlorophenyl phenyl ether	ND		390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Chrysene	**80**		79	44	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Dibenz(a,h)anthracene	ND		79	50	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Dibenzofuran	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
3,3'-Dichlorobenzidine	ND		390	370	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,4-Dichlorophenol	ND		79	30	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Diethyl phthalate	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,4-Dimethylphenol	ND	*-	390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Dimethyl phthalate	ND		390	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Di-n-butyl phthalate	ND		390	170	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4,6-Dinitro-2-methylphenol	ND		2000	680	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,4-Dinitrophenol	ND		3900	2400	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,4-Dinitrotoluene	ND		390	240	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,6-Dinitrotoluene	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Di-n-octyl phthalate	ND		390	230	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
1,4-Dioxane	ND		790	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Fluoranthene	**110**		79	21	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Fluorene	ND		79	15	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Hexachlorobenzene	ND		79	28	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Hexachlorobutadiene	ND		79	23	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3
Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		390	40	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Hexachloroethane	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Indeno[1,2,3-cd]pyrene	**53**	**J**	79	39	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Isophorone	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2-Methylnaphthalene	ND		79	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2-Methylphenol	ND		390	110	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Methylphenol, 3 & 4	ND		390	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Naphthalene	ND		79	15	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Nitrobenzene	ND		790	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2-Nitrophenol	ND		390	150	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
N-Nitrosodi-n-propylamine	ND		79	27	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
N-Nitrosodiphenylamine	ND		390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,2'-oxybis[1-chloropropane]	ND		79	29	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Pentachlorophenol	ND		2000	630	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Phenanthrene	**47**	**J**	79	21	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Phenol	ND		390	120	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
Pyrene	**95**		79	19	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
1,2,4,5-Tetrachlorobenzene	ND		390	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,3,4,6-Tetrachlorophenol	ND		390	160	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,4,5-Trichlorophenol	ND		390	140	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1
2,4,6-Trichlorophenol	ND		390	130	ug/Kg	☼	12/01/23 08:37	12/04/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*44 - 105*	*12/01/23 08:37*	*12/04/23 15:56*	*1*
2-Fluorophenol (Surr)	*75*		*48 - 105*	*12/01/23 08:37*	*12/04/23 15:56*	*1*
Nitrobenzene-d5 (Surr)	*83*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:56*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*12/01/23 08:37*	*12/04/23 15:56*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*12/01/23 08:37*	*12/04/23 15:56*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*34 - 108*	*12/01/23 08:37*	*12/04/23 15:56*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1221	ND		20	7.1	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1232	ND		20	4.9	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1242	ND		20	2.9	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1248	ND		20	4.8	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1254	ND		20	6.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1260	ND		20	5.7	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1262	ND		20	7.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1
PCB-1268	ND		20	2.7	ug/Kg	☼	11/29/23 08:13	11/30/23 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*115*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:01*	*1*
DCB Decachlorobiphenyl (Surr)	*109*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:01*	*1*

Client Sample ID: SSHS-IRM5A2-SCV102-0-0.17
Lab Sample ID: 180-165688-3

Date Collected: 11/20/23 15:20
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 81.9

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	115		55 - 135	11/29/23 08:13	11/30/23 20:01	1

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100		20	9.3	mg/Kg	☼	11/25/23 09:40	11/29/23 17:56	1
Antimony	0.44	J	1.0	0.30	mg/Kg	☼	11/25/23 09:40	11/30/23 19:27	1
Arsenic	9.5		1.0	0.63	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Barium	100		20	3.6	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Beryllium	0.42		0.40	0.11	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Cadmium	ND		0.50	0.073	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Calcium	14000		500	65	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Chromium	11		0.50	0.46	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Cobalt	7.7		5.0	0.70	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Copper	19		2.5	1.5	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Iron	21000		40	28	mg/Kg	☼	11/25/23 09:40	11/30/23 19:27	1
Lead	22		10	6.3	mg/Kg	☼	11/25/23 09:40	11/30/23 19:27	1
Magnesium	4300		500	55	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Manganese	530		1.5	1.1	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Nickel	16		4.0	0.50	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Potassium	790		500	85	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Selenium	ND		1.0	0.46	mg/Kg	☼	11/25/23 09:40	11/30/23 19:27	1
Silver	ND		0.50	0.10	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Sodium	ND		500	51	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Thallium	ND		2.0	0.28	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Vanadium	12		5.0	0.79	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1
Zinc	63		10	4.6	mg/Kg	☼	11/25/23 09:40	11/28/23 01:34	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.039	0.025	mg/Kg	☼	11/29/23 13:15	11/30/23 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	18.1		0.1	0.1	%			11/28/23 16:35	1
Percent Solids (SM22 2540G)	81.9		0.1	0.1	%			11/28/23 16:35	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Lab Sample ID: 180-165688-4

Date Collected: 11/20/23 00:00
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 86.6

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		27	4.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Benzene	ND		5.4	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
2-Butanone (MEK)	ND		27	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Carbon disulfide	ND		5.4	4.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Lab Sample ID: 180-165688-4
Date Collected: 11/20/23 00:00
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 86.6

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.4	3.3	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Chloroform	ND		5.4	3.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Chloromethane	ND		5.4	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,3-Dichlorobenzene	ND		5.4	3.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Dichlorodifluoromethane	ND		5.4	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,1-Dichloroethene	ND		5.4	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,4-Dioxane	ND		1100	83	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
2-Hexanone	ND		27	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		27	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Styrene	ND		5.4	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Toluene	ND		5.4	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2,3-Trichlorobenzene	ND		11	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,2,4-Trichlorobenzene	ND		5.4	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Trichlorofluoromethane	ND	*+	5.4	4.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*60 - 124*	*11/22/23 07:05*	*11/22/23 13:14*	*1*
Dibromofluoromethane (Surr)	*103*		*69 - 126*	*11/22/23 07:05*	*11/22/23 13:14*	*1*

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Date Collected: 11/20/23 00:00
Date Received: 11/21/23 09:20

Lab Sample ID: 180-165688-4
Matrix: Solid
Percent Solids: 86.6

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*87*		*73 - 135*	*11/22/23 07:05*	*11/22/23 13:14*	*1*
Toluene-d8 (Surr)	*95*		*67 - 134*	*11/22/23 07:05*	*11/22/23 13:14*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Acenaphthylene	ND		77	17	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Acetophenone	ND		770	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Anthracene	ND		77	20	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Atrazine	ND		770	170	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Benzaldehyde	ND		770	48	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Benzo[a]anthracene	**48**	**J**	77	35	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Benzo[a]pyrene	**57**	**J**	77	33	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Benzo[b]fluoranthene	**59**	**J**	77	19	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Benzo[g,h,i]perylene	ND		77	17	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Benzo[k]fluoranthene	**30**	**J**	77	23	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Caprolactam	ND		2000	250	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Carbazole	ND		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Chrysene	**53**	**J**	77	43	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Dibenz(a,h)anthracene	ND		77	49	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Dibenzofuran	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,4-Dimethylphenol	ND	*-	380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4,6-Dinitro-2-methylphenol	ND		2000	660	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Fluoranthene	**84**		77	20	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Fluorene	ND		77	15	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Hexachlorobenzene	ND		77	28	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Hexachlorobutadiene	ND		77	23	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Lab Sample ID: 180-165688-4

Date Collected: 11/20/23 00:00
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 86.6

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Indeno[1,2,3-cd]pyrene	ND		77	38	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Isophorone	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2-Methylnaphthalene	ND		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2-Methylphenol	ND		380	110	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Naphthalene	ND		77	15	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Nitrobenzene	ND		770	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,2'-oxybis[1-chloropropane]	ND		77	29	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Phenanthrene	**43**	**J**	77	21	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Phenol	ND		380	120	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
Pyrene	**77**		77	18	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	12/01/23 08:37	12/04/23 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*44 - 105*	*12/01/23 08:37*	*12/04/23 16:17*	*1*
2-Fluorophenol (Surr)	*73*		*48 - 105*	*12/01/23 08:37*	*12/04/23 16:17*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 105*	*12/01/23 08:37*	*12/04/23 16:17*	*1*
Phenol-d5 (Surr)	*80*		*46 - 105*	*12/01/23 08:37*	*12/04/23 16:17*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*12/01/23 08:37*	*12/04/23 16:17*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*34 - 108*	*12/01/23 08:37*	*12/04/23 16:17*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1221	ND		19	6.8	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1232	ND		19	4.7	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1242	ND		19	2.8	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1248	ND		19	4.6	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1254	ND		19	5.8	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1260	ND		19	5.5	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1262	ND		19	6.8	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1
PCB-1268	ND		19	2.6	ug/Kg	☼	11/29/23 08:13	11/30/23 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:19*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:19*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:19*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:19*	*1*

Client Sample ID: SSHS-IRM5A2-SCV-DUP26
Lab Sample ID: 180-165688-4
Date Collected: 11/20/23 00:00
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 86.6

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7700		19	8.7	mg/Kg	☼	11/25/23 09:40	11/29/23 18:01	1
Antimony	0.34	J	0.93	0.28	mg/Kg	☼	11/25/23 09:40	11/30/23 19:32	1
Arsenic	6.3		0.93	0.58	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Barium	98		19	3.3	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Beryllium	0.38		0.37	0.10	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Cadmium	ND		0.47	0.068	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Calcium	12000		470	60	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Chromium	11		0.47	0.42	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Cobalt	7.1		4.7	0.66	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Copper	17		2.3	1.4	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Iron	19000		37	26	mg/Kg	☼	11/25/23 09:40	11/30/23 19:32	1
Lead	24		9.3	5.9	mg/Kg	☼	11/25/23 09:40	11/30/23 19:32	1
Magnesium	4100		470	51	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Manganese	510		1.4	1.1	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Nickel	15		3.7	0.47	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Potassium	760		470	79	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Selenium	ND		0.93	0.43	mg/Kg	☼	11/25/23 09:40	11/30/23 19:32	1
Silver	ND		0.47	0.097	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Sodium	49	J	470	48	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Thallium	ND		1.9	0.26	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Vanadium	12		4.7	0.74	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1
Zinc	59		9.3	4.2	mg/Kg	☼	11/25/23 09:40	11/28/23 01:39	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.096		0.034	0.022	mg/Kg	☼	11/29/23 13:15	11/30/23 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	13.4		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	86.6		0.1	0.1	%			11/28/23 09:23	1

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5
Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		31	4.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Benzene	ND		6.2	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Bromoform	ND		6.2	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Bromomethane	ND		6.2	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
2-Butanone (MEK)	ND		31	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Carbon disulfide	ND		6.2	5.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Carbon tetrachloride	ND		6.2	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Chlorobenzene	ND		6.2	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Chlorobromomethane	ND		6.2	3.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Chlorodibromomethane	ND		6.2	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Chloroethane	ND		6.2	3.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Chloroform	ND		6.2	4.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5
Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		6.2	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
cis-1,2-Dichloroethene	ND		6.2	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
cis-1,3-Dichloropropene	ND		6.2	2.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Cyclohexane	ND		6.2	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2-Dibromo-3-Chloropropane	ND		6.2	4.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2-Dibromoethane	ND		6.2	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2-Dichlorobenzene	ND		6.2	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,3-Dichlorobenzene	ND		6.2	3.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,4-Dichlorobenzene	ND		6.2	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Dichlorobromomethane	ND		6.2	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Dichlorodifluoromethane	ND		6.2	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,1-Dichloroethane	ND		6.2	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2-Dichloroethane	ND		6.2	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,1-Dichloroethene	ND		6.2	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2-Dichloroethene, Total	ND		12	5.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2-Dichloropropane	ND		6.2	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,4-Dioxane	ND		1200	94	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Ethylbenzene	ND		6.2	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
2-Hexanone	ND		31	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Isopropylbenzene	ND		6.2	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Methyl acetate	ND		31	9.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Methylcyclohexane	ND		6.2	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Methylene Chloride	ND		6.2	5.6	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Methyl tert-butyl ether	ND		6.2	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
m-Xylene & p-Xylene	ND		6.2	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
o-Xylene	ND		6.2	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Styrene	ND		6.2	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,1,2,2-Tetrachloroethane	ND		6.2	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Tetrachloroethene	ND		6.2	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Toluene	ND		6.2	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
trans-1,2-Dichloroethene	ND		6.2	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
trans-1,3-Dichloropropene	ND		6.2	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2,3-Trichlorobenzene	ND		12	3.4	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,2,4-Trichlorobenzene	ND		6.2	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,1,1-Trichloroethane	ND		6.2	2.1	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,1,2-Trichloroethane	ND		6.2	1.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Trichloroethene	ND		6.2	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Trichlorofluoromethane	ND	*+	6.2	5.2	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Vinyl chloride	ND		6.2	4.5	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1
Xylenes, Total	ND		12	9.0	ug/Kg	☼	11/22/23 07:05	11/22/23 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*60 - 124*	*11/22/23 07:05*	*11/22/23 13:39*	*1*
Dibromofluoromethane (Surr)	*101*		*69 - 126*	*11/22/23 07:05*	*11/22/23 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 135*	*11/22/23 07:05*	*11/22/23 13:39*	*1*
Toluene-d8 (Surr)	*92*		*67 - 134*	*11/22/23 07:05*	*11/22/23 13:39*	*1*

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5

Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		82	24	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Acenaphthylene	ND		82	18	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Acetophenone	ND		820	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Anthracene	ND		82	21	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Atrazine	ND		820	180	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Benzaldehyde	ND		820	51	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Benzo[a]anthracene	**88**		82	37	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Benzo[a]pyrene	**110**		82	35	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Benzo[b]fluoranthene	**120**		82	20	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Benzo[g,h,i]perylene	**100**		82	18	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Benzo[k]fluoranthene	**55**	**J**	82	25	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Bis(2-chloroethyl)ether	ND		82	15	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Bis(2-ethylhexyl) phthalate	ND		4000	440	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Caprolactam	ND		2100	270	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Carbazole	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2-Chloronaphthalene	ND		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4-Chlorophenyl phenyl ether	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Chrysene	**110**		82	45	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Dibenz(a,h)anthracene	ND		82	52	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Dibenzofuran	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
3,3'-Dichlorobenzidine	ND		400	380	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,4-Dichlorophenol	ND		82	32	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,4-Dimethylphenol	ND	*-	400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4,6-Dinitro-2-methylphenol	ND		2100	700	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Di-n-octyl phthalate	ND		400	240	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
1,4-Dioxane	ND		820	130	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Fluoranthene	**120**		82	22	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Fluorene	ND		82	16	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Hexachlorobenzene	ND		82	29	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Hexachlorobutadiene	ND		82	24	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Hexachlorocyclopentadiene	ND		400	42	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Hexachloroethane	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Indeno[1,2,3-cd]pyrene	**89**		82	41	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Isophorone	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2-Methylnaphthalene	ND		82	20	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2-Methylphenol	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5
Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Naphthalene	ND		82	16	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
3-Nitroaniline	ND		2100	100	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Nitrobenzene	ND		820	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
N-Nitrosodi-n-propylamine	ND		82	28	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
N-Nitrosodiphenylamine	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,2'-oxybis[1-chloropropane]	ND		82	30	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Pentachlorophenol	ND		2100	660	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Phenanthrene	**64**	**J**	82	22	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Phenol	ND		400	120	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
Pyrene	**120**		82	19	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1
2,4,6-Trichlorophenol	ND		400	140	ug/Kg	☼	12/01/23 08:37	12/04/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*12/01/23 08:37*	*12/04/23 16:39*	*1*
2-Fluorophenol (Surr)	*66*		*48 - 105*	*12/01/23 08:37*	*12/04/23 16:39*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 105*	*12/01/23 08:37*	*12/04/23 16:39*	*1*
Phenol-d5 (Surr)	*74*		*46 - 105*	*12/01/23 08:37*	*12/04/23 16:39*	*1*
Terphenyl-d14 (Surr)	*76*		*39 - 105*	*12/01/23 08:37*	*12/04/23 16:39*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*34 - 108*	*12/01/23 08:37*	*12/04/23 16:39*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.7	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1221	ND		21	7.3	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1232	ND		21	5.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1242	ND		21	3.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1248	ND		21	5.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1254	ND		21	6.2	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1260	ND		21	5.9	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1262	ND		21	7.3	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1
PCB-1268	ND		21	2.8	ug/Kg	☼	11/29/23 08:13	11/30/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:38*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:38*	*1*
Tetrachloro-m-xylene (Surr)	*99*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:38*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:38*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		20	9.3	mg/Kg	☼	11/25/23 09:40	11/29/23 18:07	1
Antimony	**0.66**	**J**	1.0	0.30	mg/Kg	☼	11/25/23 09:40	11/30/23 19:38	1

Client Sample ID: SSHS-IRM5A2-SCV102-0.17-1
Lab Sample ID: 180-165688-5

Date Collected: 11/20/23 15:25
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 80.5

Method: SW846 EPA 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.7		1.0	0.63	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Barium	69		20	3.6	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Beryllium	0.30	J	0.40	0.11	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Cadmium	ND		0.50	0.074	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Calcium	58000		500	65	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Chromium	12		0.50	0.46	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Cobalt	6.8		5.0	0.71	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Copper	29		2.5	1.5	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Iron	21000		40	28	mg/Kg	☼	11/25/23 09:40	11/30/23 19:38	1
Lead	20		10	6.3	mg/Kg	☼	11/25/23 09:40	11/30/23 19:38	1
Magnesium	13000		500	55	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Manganese	490		1.5	1.1	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Nickel	17		4.0	0.50	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Potassium	790		500	85	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Selenium	ND		1.0	0.46	mg/Kg	☼	11/25/23 09:40	11/30/23 19:38	1
Silver	ND		0.50	0.10	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Sodium	110	J	500	51	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Thallium	ND		2.0	0.28	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Vanadium	14		5.0	0.79	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1
Zinc	78		10	4.6	mg/Kg	☼	11/25/23 09:40	11/28/23 01:44	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.041	0.026	mg/Kg	☼	11/29/23 13:15	11/30/23 13:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	19.5		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	80.5		0.1	0.1	%			11/28/23 09:23	1

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6

Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Benzene	ND		5.0	1.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Chloroform	ND		5.0	3.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6
Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Method: SW846 EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,4-Dioxane	ND		1000	76	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
2-Hexanone	ND		25	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Styrene	ND		5.0	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Toluene	ND		5.0	1.4	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Trichlorofluoromethane	ND	*+	5.0	4.2	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1
Xylenes, Total	ND		10	7.2	ug/Kg	☼	11/22/23 07:05	11/22/23 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*60 - 124*	*11/22/23 07:05*	*11/22/23 10:50*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*11/22/23 07:05*	*11/22/23 10:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 135*	*11/22/23 07:05*	*11/22/23 10:50*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*11/22/23 07:05*	*11/22/23 10:50*	*1*

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		68	19	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6

Date Collected: 11/20/23 15:30
Matrix: Solid

Date Received: 11/21/23 09:20
Percent Solids: 98.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		68	15	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Acetophenone	ND		680	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Anthracene	**26**	**J**	68	17	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Atrazine	ND		680	150	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Benzaldehyde	ND		680	42	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Benzo[a]anthracene	**56**	**J**	68	30	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Benzo[a]pyrene	**62**	**J**	68	29	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Benzo[b]fluoranthene	**56**	**J**	68	17	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Benzo[g,h,i]perylene	**49**	**J**	68	15	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Benzo[k]fluoranthene	**32**	**J**	68	20	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
1,1'-Biphenyl	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Bis(2-chloroethyl)ether	ND		68	12	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Butyl benzyl phthalate	ND		330	230	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Caprolactam	ND		1700	220	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Carbazole	ND		68	16	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4-Chloroaniline	ND		330	88	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2-Chloronaphthalene	ND		68	15	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2-Chlorophenol	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Chrysene	**59**	**J**	68	37	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Dibenz(a,h)anthracene	ND		68	43	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Dibenzofuran	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,4-Dichlorophenol	ND		68	26	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Diethyl phthalate	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,4-Dimethylphenol	ND	*-	330	110	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Dimethyl phthalate	ND		330	130	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Di-n-butyl phthalate	ND		330	150	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Di-n-octyl phthalate	ND		330	200	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
1,4-Dioxane	ND		680	100	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Fluoranthene	**120**		68	18	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Fluorene	ND		68	13	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Hexachlorobenzene	ND		68	24	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Hexachlorobutadiene	ND		68	20	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Hexachloroethane	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Indeno[1,2,3-cd]pyrene	**42**	**J**	68	33	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Isophorone	ND		330	130	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2-Methylnaphthalene	ND		68	16	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2-Methylphenol	ND		330	96	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Methylphenol, 3 & 4	ND		330	99	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6
Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Method: SW846 EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		68	13	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2-Nitroaniline	ND		1700	150	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
3-Nitroaniline	ND		1700	86	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4-Nitroaniline	ND		1700	130	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Nitrobenzene	ND		680	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2-Nitrophenol	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
4-Nitrophenol	ND		1700	240	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
N-Nitrosodi-n-propylamine	ND		68	23	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,2'-oxybis[1-chloropropane]	ND		68	25	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Pentachlorophenol	ND		1700	540	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Phenanthrene	**74**		68	18	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Phenol	ND		330	100	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
Pyrene	**97**		68	16	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg	☼	12/01/23 08:37	12/04/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*12/01/23 08:37*	*12/04/23 17:00*	*1*
2-Fluorophenol (Surr)	*78*		*48 - 105*	*12/01/23 08:37*	*12/04/23 17:00*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 105*	*12/01/23 08:37*	*12/04/23 17:00*	*1*
Phenol-d5 (Surr)	*81*		*46 - 105*	*12/01/23 08:37*	*12/04/23 17:00*	*1*
Terphenyl-d14 (Surr)	*77*		*39 - 105*	*12/01/23 08:37*	*12/04/23 17:00*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*34 - 108*	*12/01/23 08:37*	*12/04/23 17:00*	*1*

Method: SW846 EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1221	ND		17	5.9	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1232	ND		17	4.1	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1242	ND		17	2.4	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1248	ND		17	4.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1254	ND		17	5.0	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1260	ND		17	4.7	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1262	ND		17	5.9	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1
PCB-1268	ND		17	2.2	ug/Kg	☼	11/29/23 08:13	11/30/23 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:57*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*11/29/23 08:13*	*11/30/23 20:57*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:57*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*11/29/23 08:13*	*11/30/23 20:57*	*1*

Method: SW846 EPA 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6600**		81	38	mg/Kg	☼	11/25/23 09:40	11/29/23 18:12	5
Antimony	ND		4.0	1.2	mg/Kg	☼	11/25/23 09:40	11/30/23 19:43	5
Arsenic	**4.7**		0.81	0.51	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-SCV102-1-2
Lab Sample ID: 180-165688-6
Date Collected: 11/20/23 15:30
Matrix: Solid
Date Received: 11/21/23 09:20
Percent Solids: 98.5

Method: SW846 EPA 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	54		16	2.9	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Beryllium	0.24	J	0.32	0.088	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Cadmium	ND		0.40	0.059	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Calcium	57000		2000	260	mg/Kg	☼	11/25/23 09:40	11/29/23 18:12	5
Chromium	8.9		0.40	0.37	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Cobalt	5.2		4.0	0.57	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Copper	21		10	6.1	mg/Kg	☼	11/25/23 09:40	12/08/23 14:47	5
Iron	18000		160	110	mg/Kg	☼	11/25/23 09:40	11/30/23 19:43	5
Lead	ND		40	25	mg/Kg	☼	11/25/23 09:40	11/30/23 19:43	5
Magnesium	9800		400	44	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Manganese	380		1.2	0.92	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Nickel	13		3.2	0.41	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Potassium	610		400	69	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Selenium	ND		4.0	1.9	mg/Kg	☼	11/25/23 09:40	11/30/23 19:43	5
Silver	ND		0.40	0.084	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Sodium	79	J	400	41	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Thallium	ND		1.6	0.23	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Vanadium	11		4.0	0.64	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1
Zinc	60		8.1	3.7	mg/Kg	☼	11/25/23 09:40	11/28/23 01:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J	0.030	0.019	mg/Kg	☼	11/29/23 13:15	11/30/23 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	1.5		0.1	0.1	%			11/28/23 09:23	1
Percent Solids (SM22 2540G)	98.5		0.1	0.1	%			11/28/23 09:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 180-452606/7
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	3.9	ug/Kg			11/22/23 10:25	1
Benzene	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
Bromoform	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
Bromomethane	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
2-Butanone (MEK)	ND		25	2.5	ug/Kg			11/22/23 10:25	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			11/22/23 10:25	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			11/22/23 10:25	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			11/22/23 10:25	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
Chloroethane	ND		5.0	2.9	ug/Kg			11/22/23 10:25	1
Chloroform	ND		5.0	3.4	ug/Kg			11/22/23 10:25	1
Chloromethane	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			11/22/23 10:25	1
Cyclohexane	ND		5.0	2.4	ug/Kg			11/22/23 10:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			11/22/23 10:25	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			11/22/23 10:25	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			11/22/23 10:25	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			11/22/23 10:25	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			11/22/23 10:25	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			11/22/23 10:25	1
1,4-Dioxane	ND		1000	76	ug/Kg			11/22/23 10:25	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			11/22/23 10:25	1
2-Hexanone	ND		25	1.6	ug/Kg			11/22/23 10:25	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			11/22/23 10:25	1
Methyl acetate	ND		25	7.4	ug/Kg			11/22/23 10:25	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			11/22/23 10:25	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			11/22/23 10:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/Kg			11/22/23 10:25	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			11/22/23 10:25	1
o-Xylene	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Styrene	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			11/22/23 10:25	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Toluene	ND		5.0	1.4	ug/Kg			11/22/23 10:25	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			11/22/23 10:25	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			11/22/23 10:25	1
1,2,3-Trichlorobenzene	ND		10	2.8	ug/Kg			11/22/23 10:25	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			11/22/23 10:25	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			11/22/23 10:25	1

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 180-452606/7
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			11/22/23 10:25	1
Trichloroethene	ND		5.0	1.6	ug/Kg			11/22/23 10:25	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			11/22/23 10:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			11/22/23 10:25	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			11/22/23 10:25	1
Xylenes, Total	ND		10	7.2	ug/Kg			11/22/23 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*		*11/22/23 10:25*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*		*11/22/23 10:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 135*		*11/22/23 10:25*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*		*11/22/23 10:25*	*1*

Lab Sample ID: LCS 180-452606/3
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	50.1		ug/Kg		125	23 - 170
Benzene	40.0	41.4		ug/Kg		104	77 - 120
Bromoform	40.0	30.6		ug/Kg		76	37 - 147
Bromomethane	40.0	42.9		ug/Kg		107	47 - 149
2-Butanone (MEK)	40.0	37.7		ug/Kg		94	39 - 157
Carbon disulfide	40.0	40.3		ug/Kg		101	40 - 156
Carbon tetrachloride	40.0	42.9		ug/Kg		107	73 - 130
Chlorobenzene	40.0	39.7		ug/Kg		99	79 - 122
Chlorobromomethane	40.0	48.2		ug/Kg		121	64 - 128
Chlorodibromomethane	40.0	34.0		ug/Kg		85	60 - 134
Chloroethane	40.0	49.8		ug/Kg		124	37 - 159
Chloroform	40.0	46.1		ug/Kg		115	73 - 126
Chloromethane	40.0	44.6		ug/Kg		111	46 - 151
cis-1,2-Dichloroethene	40.0	46.6		ug/Kg		117	77 - 118
cis-1,3-Dichloropropene	40.0	37.8		ug/Kg		95	73 - 127
Cyclohexane	40.0	36.4		ug/Kg		91	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	25.9		ug/Kg		65	30 - 163
1,2-Dibromoethane	40.0	37.5		ug/Kg		94	59 - 137
1,2-Dichlorobenzene	40.0	39.1		ug/Kg		98	76 - 120
1,3-Dichlorobenzene	40.0	38.5		ug/Kg		96	77 - 121
1,4-Dichlorobenzene	40.0	38.2		ug/Kg		96	79 - 120
Dichlorobromomethane	40.0	42.6		ug/Kg		106	75 - 123
Dichlorodifluoromethane	40.0	45.8		ug/Kg		115	26 - 149
1,1-Dichloroethane	40.0	40.9		ug/Kg		102	73 - 124
1,2-Dichloroethane	40.0	41.2		ug/Kg		103	64 - 140
1,1-Dichloroethene	40.0	45.6		ug/Kg		114	55 - 136
1,2-Dichloroethene, Total	80.0	92.8		ug/Kg		116	77 - 119
1,2-Dichloropropane	40.0	38.0		ug/Kg		95	77 - 119
1,4-Dioxane	800	1000		ug/Kg		126	18 - 166
Ethylbenzene	40.0	39.5		ug/Kg		99	79 - 119

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 180-452606/3
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	34.1		ug/Kg		85	42 - 152
Isopropylbenzene	40.0	40.7		ug/Kg		102	70 - 125
Methyl acetate	80.0	77.3		ug/Kg		97	20 - 170
Methylcyclohexane	40.0	40.3		ug/Kg		101	70 - 125
Methylene Chloride	40.0	42.2		ug/Kg		106	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	28.3		ug/Kg		71	51 - 147
Methyl tert-butyl ether	40.0	38.6		ug/Kg		97	58 - 132
m-Xylene & p-Xylene	40.0	40.3		ug/Kg		101	77 - 120
o-Xylene	40.0	40.4		ug/Kg		101	78 - 118
Styrene	40.0	36.6		ug/Kg		92	80 - 120
1,1,2,2-Tetrachloroethane	40.0	35.2		ug/Kg		88	36 - 170
Tetrachloroethene	40.0	39.0		ug/Kg		98	71 - 121
Toluene	40.0	39.3		ug/Kg		98	76 - 120
trans-1,2-Dichloroethene	40.0	46.2		ug/Kg		115	75 - 122
trans-1,3-Dichloropropene	40.0	31.7		ug/Kg		79	68 - 133
1,2,3-Trichlorobenzene	40.0	36.8		ug/Kg		92	29 - 166
1,2,4-Trichlorobenzene	40.0	38.1		ug/Kg		95	22 - 170
1,1,1-Trichloroethane	40.0	43.6		ug/Kg		109	72 - 134
1,1,2-Trichloroethane	40.0	36.4		ug/Kg		91	66 - 128
Trichloroethene	40.0	47.3		ug/Kg		118	69 - 118
Trichlorofluoromethane	40.0	66.8	*+	ug/Kg		167	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	38.3		ug/Kg		96	59 - 135
Vinyl chloride	40.0	40.4		ug/Kg		101	64 - 134
Xylenes, Total	80.0	80.7		ug/Kg		101	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*126*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 135*
Toluene-d8 (Surr)	*106*		*67 - 134*

Lab Sample ID: LCSD 180-452606/4
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	49.1		ug/Kg		123	23 - 170	2	35
Benzene	40.0	39.5		ug/Kg		99	77 - 120	5	20
Bromoform	40.0	28.1		ug/Kg		70	37 - 147	8	23
Bromomethane	40.0	39.6		ug/Kg		99	47 - 149	8	25
2-Butanone (MEK)	40.0	36.8		ug/Kg		92	39 - 157	2	33
Carbon disulfide	40.0	38.1		ug/Kg		95	40 - 156	6	25
Carbon tetrachloride	40.0	41.2		ug/Kg		103	73 - 130	4	21
Chlorobenzene	40.0	36.7		ug/Kg		92	79 - 122	8	20
Chlorobromomethane	40.0	44.3		ug/Kg		111	64 - 128	8	20
Chlorodibromomethane	40.0	31.5		ug/Kg		79	60 - 134	8	40
Chloroethane	40.0	52.5		ug/Kg		131	37 - 159	5	25
Chloroform	40.0	44.1		ug/Kg		110	73 - 126	5	20

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-452606/4
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	48.4		ug/Kg		121	46 - 151	8	33
cis-1,2-Dichloroethene			40.0	43.5		ug/Kg		109	77 - 118	7	20
cis-1,3-Dichloropropene			40.0	35.4		ug/Kg		89	73 - 127	7	20
Cyclohexane			40.0	34.2		ug/Kg		86	63 - 143	6	25
1,2-Dibromo-3-Chloropropane			40.0	23.2		ug/Kg		58	30 - 163	11	34
1,2-Dibromoethane			40.0	33.7		ug/Kg		84	59 - 137	11	20
1,2-Dichlorobenzene			40.0	36.3		ug/Kg		91	76 - 120	7	20
1,3-Dichlorobenzene			40.0	36.6		ug/Kg		91	77 - 121	5	20
1,4-Dichlorobenzene			40.0	36.2		ug/Kg		90	79 - 120	6	20
Dichlorobromomethane			40.0	39.1		ug/Kg		98	75 - 123	9	20
Dichlorodifluoromethane			40.0	43.9		ug/Kg		110	26 - 149	4	24
1,1-Dichloroethane			40.0	38.9		ug/Kg		97	73 - 124	5	20
1,2-Dichloroethane			40.0	39.1		ug/Kg		98	64 - 140	5	20
1,1-Dichloroethene			40.0	43.6		ug/Kg		109	55 - 136	4	21
1,2-Dichloroethene, Total			80.0	86.7		ug/Kg		108	77 - 119	7	20
1,2-Dichloropropane			40.0	35.8		ug/Kg		89	77 - 119	6	20
1,4-Dioxane			800	797	J	ug/Kg		100	18 - 166	23	40
Ethylbenzene			40.0	37.0		ug/Kg		93	79 - 119	7	20
2-Hexanone			40.0	32.0		ug/Kg		80	42 - 152	6	30
Isopropylbenzene			40.0	37.7		ug/Kg		94	70 - 125	8	21
Methyl acetate			80.0	70.0		ug/Kg		87	20 - 170	10	33
Methylcyclohexane			40.0	39.3		ug/Kg		98	70 - 125	3	22
Methylene Chloride			40.0	40.9		ug/Kg		102	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	27.5		ug/Kg		69	51 - 147	3	27
Methyl tert-butyl ether			40.0	35.7		ug/Kg		89	58 - 132	8	24
m-Xylene & p-Xylene			40.0	37.4		ug/Kg		94	77 - 120	7	20
o-Xylene			40.0	37.7		ug/Kg		94	78 - 118	7	20
Styrene			40.0	32.2		ug/Kg		80	80 - 120	13	20
1,1,2,2-Tetrachloroethane			40.0	30.9		ug/Kg		77	36 - 170	13	23
Tetrachloroethene			40.0	36.4		ug/Kg		91	71 - 121	7	21
Toluene			40.0	36.7		ug/Kg		92	76 - 120	7	20
trans-1,2-Dichloroethene			40.0	43.2		ug/Kg		108	75 - 122	7	20
trans-1,3-Dichloropropene			40.0	29.6		ug/Kg		74	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	34.6		ug/Kg		86	29 - 166	6	40
1,2,4-Trichlorobenzene			40.0	35.5		ug/Kg		89	22 - 170	7	29
1,1,1-Trichloroethane			40.0	42.3		ug/Kg		106	72 - 134	3	20
1,1,2-Trichloroethane			40.0	33.5		ug/Kg		84	66 - 128	8	21
Trichloroethene			40.0	45.0		ug/Kg		113	69 - 118	5	20
Trichlorofluoromethane			40.0	62.4	*+	ug/Kg		156	32 - 149	7	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	39.5		ug/Kg		99	59 - 135	3	28
Vinyl chloride			40.0	38.7		ug/Kg		97	64 - 134	4	23
Xylenes, Total			80.0	75.1		ug/Kg		94	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*60 - 124*
Dibromofluoromethane (Surr)	*119*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*101*		*73 - 135*

Method: EPA 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 180-452606/4
Matrix: Solid
Analysis Batch: 452606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		67 - 134

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-453330/1-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Acenaphthylene	ND		67	15	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Acetophenone	ND		670	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Anthracene	ND		67	17	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Atrazine	ND		670	150	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzaldehyde	ND		670	41	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[a]anthracene	ND		67	30	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[a]pyrene	ND		67	29	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
1,1'-Biphenyl	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Caprolactam	ND		1700	220	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Carbazole	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Chloroaniline	ND		330	88	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Chloronaphthalene	ND		67	15	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Chlorophenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Chrysene	ND		67	37	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Dibenzofuran	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Diethyl phthalate	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Dimethyl phthalate	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
1,4-Dioxane	ND		670	100	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Fluoranthene	ND		67	18	ug/Kg		12/01/23 08:37	12/04/23 05:08	1

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-453330/1-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		67	13	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachlorobenzene	ND		67	24	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachlorobutadiene	ND		67	20	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Hexachloroethane	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Isophorone	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Methylnaphthalene	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Methylphenol	ND		330	96	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Naphthalene	ND		67	13	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Nitroaniline	ND		1700	150	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
3-Nitroaniline	ND		1700	85	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Nitroaniline	ND		1700	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Nitrobenzene	ND		670	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2-Nitrophenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
4-Nitrophenol	ND		1700	230	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Pentachlorophenol	ND		1700	540	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Phenanthrene	ND		67	18	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Phenol	ND		330	100	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
Pyrene	ND		67	16	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		12/01/23 08:37	12/04/23 05:08	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		12/01/23 08:37	12/04/23 05:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*44 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
Nitrobenzene-d5 (Surr)	*58*		*46 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
Terphenyl-d14 (Surr)	*61*		*39 - 105*	*12/01/23 08:37*	*12/04/23 05:08*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*34 - 108*	*12/01/23 08:37*	*12/04/23 05:08*	*1*

Lab Sample ID: LCS 180-453330/2-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	4330		ug/Kg		65	50 - 100
Acenaphthylene	6670	4390		ug/Kg		66	52 - 100
Acetophenone	6670	4270		ug/Kg		64	48 - 100
Anthracene	6670	4240		ug/Kg		64	53 - 100
Atrazine	6670	4650		ug/Kg		70	49 - 103
Benzaldehyde	6670	3460		ug/Kg		52	23 - 105

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-453330/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 453463
Prep Batch: 453330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	6670	4390		ug/Kg		66	51 - 100
Benzo[a]pyrene	6670	4630		ug/Kg		69	51 - 100
Benzo[b]fluoranthene	6670	4490		ug/Kg		67	48 - 100
Benzo[g,h,i]perylene	6670	4170		ug/Kg		63	48 - 105
Benzo[k]fluoranthene	6670	4340		ug/Kg		65	19 - 100
1,1'-Biphenyl	6670	4360		ug/Kg		65	50 - 100
Bis(2-chloroethoxy)methane	6670	4180		ug/Kg		63	49 - 100
Bis(2-chloroethyl)ether	6670	4040		ug/Kg		61	48 - 100
Bis(2-ethylhexyl) phthalate	6670	3990		ug/Kg		60	53 - 107
4-Bromophenyl phenyl ether	6670	4670		ug/Kg		70	52 - 101
Butyl benzyl phthalate	6670	4000		ug/Kg		60	52 - 107
Caprolactam	6670	4760		ug/Kg		71	48 - 111
Carbazole	6670	4340		ug/Kg		65	53 - 100
4-Chloroaniline	6670	4190		ug/Kg		63	47 - 100
4-Chloro-3-methylphenol	6670	4400		ug/Kg		66	49 - 106
2-Chloronaphthalene	6670	4480		ug/Kg		67	51 - 100
2-Chlorophenol	6670	4390		ug/Kg		66	51 - 100
4-Chlorophenyl phenyl ether	6670	4420		ug/Kg		66	52 - 100
Chrysene	6670	4620		ug/Kg		69	50 - 100
Dibenz(a,h)anthracene	6670	4260		ug/Kg		64	50 - 107
Dibenzofuran	6670	4280		ug/Kg		64	52 - 100
3,3'-Dichlorobenzidine	6670	4110		ug/Kg		62	43 - 100
2,4-Dichlorophenol	6670	4740		ug/Kg		71	53 - 101
Diethyl phthalate	6670	4090		ug/Kg		61	48 - 104
2,4-Dimethylphenol	6670	3210	*-	ug/Kg		48	51 - 101
Dimethyl phthalate	6670	4320		ug/Kg		65	53 - 100
Di-n-butyl phthalate	6670	4120		ug/Kg		62	57 - 102
4,6-Dinitro-2-methylphenol	13300	10000		ug/Kg		75	51 - 100
2,4-Dinitrophenol	13300	9950		ug/Kg		75	33 - 101
2,4-Dinitrotoluene	6670	4970		ug/Kg		75	54 - 104
2,6-Dinitrotoluene	6670	4790		ug/Kg		72	51 - 106
Di-n-octyl phthalate	6670	4010		ug/Kg		60	41 - 106
1,4-Dioxane	6670	4440		ug/Kg		67	25 - 125
Fluoranthene	6670	4370		ug/Kg		65	55 - 100
Fluorene	6670	4210		ug/Kg		63	52 - 100
Hexachlorobenzene	6670	4480		ug/Kg		67	49 - 100
Hexachlorobutadiene	6670	4760		ug/Kg		71	38 - 107
Hexachlorocyclopentadiene	6670	3020		ug/Kg		45	33 - 117
Hexachloroethane	6670	4320		ug/Kg		65	47 - 100
Indeno[1,2,3-cd]pyrene	6670	4360		ug/Kg		65	51 - 103
Isophorone	6670	4320		ug/Kg		65	48 - 105
2-Methylnaphthalene	6670	4700		ug/Kg		71	53 - 100
2-Methylphenol	6670	4310		ug/Kg		65	50 - 101
Methylphenol, 3 & 4	6670	4370		ug/Kg		66	50 - 103
Naphthalene	6670	4480		ug/Kg		67	51 - 100
2-Nitroaniline	6670	4110		ug/Kg		62	42 - 123
3-Nitroaniline	6670	4560		ug/Kg		68	50 - 103
4-Nitroaniline	6670	4560		ug/Kg		68	52 - 103
Nitrobenzene	6670	4260		ug/Kg		64	44 - 108

Method: EPA 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-453330/2-A
Matrix: Solid
Analysis Batch: 453463

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol	6670	4960		ug/Kg		74	55 - 107
4-Nitrophenol	13300	8280		ug/Kg		62	30 - 134
N-Nitrosodi-n-propylamine	6670	4210		ug/Kg		63	45 - 107
N-Nitrosodiphenylamine	6670	4410		ug/Kg		66	52 - 100
2,2'-oxybis[1-chloropropane]	6670	4370		ug/Kg		65	30 - 113
Pentachlorophenol	13300	10500		ug/Kg		79	42 - 110
Phenanthrene	6670	4330		ug/Kg		65	53 - 100
Phenol	6670	4260		ug/Kg		64	49 - 100
Pyrene	6670	4420		ug/Kg		66	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	4450		ug/Kg		67	41 - 104
2,3,4,6-Tetrachlorophenol	6670	4590		ug/Kg		69	47 - 104
2,4,5-Trichlorophenol	6670	4660		ug/Kg		70	50 - 104
2,4,6-Trichlorophenol	6670	4650		ug/Kg		70	50 - 105

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*62*		*44 - 105*
2-Fluorophenol (Surr)	*63*		*48 - 105*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*
Phenol-d5 (Surr)	*62*		*46 - 105*
Terphenyl-d14 (Surr)	*54*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 180-453052/1-A
Matrix: Solid
Analysis Batch: 453217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1221	ND		17	5.9	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1232	ND		17	4.1	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1242	ND		17	2.4	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1248	ND		17	4.0	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1254	ND		17	5.0	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1260	ND		17	4.7	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1262	ND		17	5.9	ug/Kg		11/29/23 08:13	11/30/23 14:06	1
PCB-1268	ND		17	2.2	ug/Kg		11/29/23 08:13	11/30/23 14:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*128*		*63 - 138*	*11/29/23 08:13*	*11/30/23 14:06*	*1*
DCB Decachlorobiphenyl (Surr)	*128*		*63 - 138*	*11/29/23 08:13*	*11/30/23 14:06*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*11/29/23 08:13*	*11/30/23 14:06*	*1*
Tetrachloro-m-xylene (Surr)	*115*		*55 - 135*	*11/29/23 08:13*	*11/30/23 14:06*	*1*

Method: EPA 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 180-453052/2-A
Matrix: Solid
Analysis Batch: 453217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453052

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1600		ug/Kg		120	43 - 136		
PCB-1260			1330	1460		ug/Kg		110	55 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*139*	*S1+*	*63 - 138*
DCB Decachlorobiphenyl (Surr)	*128*		*63 - 138*
Tetrachloro-m-xylene (Surr)	*124*		*55 - 135*
Tetrachloro-m-xylene (Surr)	*131*		*55 - 135*

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-452671/1-A
Matrix: Solid
Analysis Batch: 452865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.83	0.52	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Barium	ND		17	3.0	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Beryllium	ND		0.33	0.091	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Cadmium	ND		0.42	0.061	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Calcium	ND		420	54	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Chromium	ND		0.42	0.38	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Cobalt	ND		4.2	0.59	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Copper	ND		2.1	1.3	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Magnesium	ND		420	46	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Manganese	ND		1.3	0.95	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Nickel	ND		3.3	0.42	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Potassium	ND		420	71	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Selenium	ND		0.83	0.38	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Silver	ND		0.42	0.087	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Sodium	ND		420	43	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Thallium	ND		1.7	0.24	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Vanadium	ND		4.2	0.66	mg/Kg		11/25/23 09:40	11/28/23 00:29	1
Zinc	ND		8.3	3.8	mg/Kg		11/25/23 09:40	11/28/23 00:29	1

Lab Sample ID: MB 180-452671/1-A
Matrix: Solid
Analysis Batch: 453223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		17	7.8	mg/Kg		11/25/23 09:40	11/29/23 16:50	1

Lab Sample ID: MB 180-452671/1-A
Matrix: Solid
Analysis Batch: 453333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.83	0.25	mg/Kg		11/25/23 09:40	11/30/23 18:26	1
Iron	ND		33	23	mg/Kg		11/25/23 09:40	11/30/23 18:26	1

Method: EPA 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 180-452671/1-A
Matrix: Solid
Analysis Batch: 453333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		8.3	5.2	mg/Kg		11/25/23 09:40	11/30/23 18:26	1

Lab Sample ID: LCS 180-452671/2-A
Matrix: Solid
Analysis Batch: 452865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	83.3	82.8		mg/Kg		99	80 - 120
Barium	83.3	80.2		mg/Kg		96	80 - 120
Beryllium	41.7	42.8		mg/Kg		103	80 - 120
Cadmium	41.7	41.5		mg/Kg		100	80 - 120
Calcium	2080	2040		mg/Kg		98	80 - 120
Chromium	41.7	40.7		mg/Kg		98	80 - 120
Cobalt	41.7	40.4		mg/Kg		97	80 - 120
Copper	41.7	38.6		mg/Kg		93	80 - 120
Magnesium	2080	2020		mg/Kg		97	80 - 120
Manganese	41.7	41.5		mg/Kg		100	80 - 120
Nickel	41.7	39.7		mg/Kg		95	80 - 120
Potassium	2080	1920		mg/Kg		92	80 - 120
Selenium	83.3	81.9		mg/Kg		98	80 - 120
Silver	20.8	19.2		mg/Kg		92	80 - 120
Sodium	2080	2010		mg/Kg		97	80 - 120
Thallium	83.3	83.8		mg/Kg		101	80 - 120
Vanadium	41.7	39.3		mg/Kg		94	80 - 120
Zinc	20.8	20.6		mg/Kg		99	80 - 120

Lab Sample ID: LCS 180-452671/2-A
Matrix: Solid
Analysis Batch: 453223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	417	386		mg/Kg		93	80 - 120

Lab Sample ID: LCS 180-452671/2-A
Matrix: Solid
Analysis Batch: 453333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	20.8	23.0		mg/Kg		110	80 - 120
Iron	417	450		mg/Kg		108	80 - 120
Lead	41.7	37.5		mg/Kg		90	80 - 120

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-453127/1-A
Matrix: Solid
Analysis Batch: 453262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453127

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		11/29/23 13:15	11/30/23 12:48	1

Client: Geosyntec Consultants Inc
Job ID: 180-165688-1
Project/Site: Former Sperry Remington-Documentation

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: LCS 180-453127/2-A
Matrix: Solid
Analysis Batch: 453262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453127

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.446		mg/Kg		107	80 - 120		

GC/MS VOA

Analysis Batch: 452606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 8260D	452669
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 8260D	452669
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 8260D	452669
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 8260D	452669
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 8260D	452669
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 8260D	452669
MB 180-452606/7	Method Blank	Total/NA	Solid	EPA 8260D	
LCS 180-452606/3	Lab Control Sample	Total/NA	Solid	EPA 8260D	
LCSD 180-452606/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260D	

Prep Batch: 452669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	5035	
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	5035	
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	5035	
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	5035	
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	5035	
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 453330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	3541	
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	3541	
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	3541	
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	3541	
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	3541	
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	3541	
MB 180-453330/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-453330/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 453463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-453330/1-A	Method Blank	Total/NA	Solid	EPA 8270E	453330
LCS 180-453330/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270E	453330

Analysis Batch: 453500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 8270E	453330
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 8270E	453330
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 8270E	453330
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 8270E	453330
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 8270E	453330
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 8270E	453330

GC Semi VOA

Prep Batch: 453052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	3541	
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 453052 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	3541	
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	3541	
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	3541	
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	3541	
MB 180-453052/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-453052/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 453217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 8082A	453052
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 8082A	453052
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 8082A	453052
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 8082A	453052
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 8082A	453052
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 8082A	453052
MB 180-453052/1-A	Method Blank	Total/NA	Solid	EPA 8082A	453052
LCS 180-453052/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	453052

Metals

Prep Batch: 452671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	3050B	
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	3050B	
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	3050B	
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	3050B	
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	3050B	
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	3050B	
MB 180-452671/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-452671/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 452865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 6010D	452671
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 6010D	452671
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 6010D	452671
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 6010D	452671
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 6010D	452671
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 6010D	452671
MB 180-452671/1-A	Method Blank	Total/NA	Solid	EPA 6010D	452671
LCS 180-452671/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	452671

Prep Batch: 453127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	7471B	
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	7471B	
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	7471B	
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	7471B	
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	7471B	
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	7471B	
MB 180-453127/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 453127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-453127/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 453223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 6010D	452671
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 6010D	452671
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 6010D	452671
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 6010D	452671
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 6010D	452671
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 6010D	452671
MB 180-452671/1-A	Method Blank	Total/NA	Solid	EPA 6010D	452671
LCS 180-452671/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	452671

Analysis Batch: 453262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 7471B	453127
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 7471B	453127
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 7471B	453127
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 7471B	453127
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 7471B	453127
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 7471B	453127
MB 180-453127/1-A	Method Blank	Total/NA	Solid	EPA 7471B	453127
LCS 180-453127/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	453127

Analysis Batch: 453333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	EPA 6010D	452671
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	EPA 6010D	452671
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	EPA 6010D	452671
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	EPA 6010D	452671
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	EPA 6010D	452671
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 6010D	452671
MB 180-452671/1-A	Method Blank	Total/NA	Solid	EPA 6010D	452671
LCS 180-452671/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	452671

Analysis Batch: 454102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	EPA 6010D	452671

General Chemistry

Analysis Batch: 452910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-4	SSHS-IRM5A2-SCV-DUP26	Total/NA	Solid	2540G	
180-165688-5	SSHS-IRM5A2-SCV102-0.17-1	Total/NA	Solid	2540G	
180-165688-6	SSHS-IRM5A2-SCV102-1-2	Total/NA	Solid	2540G	

Analysis Batch: 452987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-1	SSHS-IRM5A2-SCV101-0-0.17	Total/NA	Solid	2540G	
180-165688-3	SSHS-IRM5A2-SCV102-0-0.17	Total/NA	Solid	2540G	

General Chemistry

Analysis Batch: 453980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-165688-2	SSHS-IRM5A2-SCV101-0.17-1	Total/NA	Solid	2540G	

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com	Project #: 18013464			
Project Name: Former Sperry Remington Site	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV101-0-0.17	11/20/23	1410	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV101-0.17-1	11/20/23	1415	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV102-0-0.17	11/20/23	1520	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV-DUP26	11/20/23	--	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV102-0.17-1	11/20/23	1525	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV102-1-2	11/20/23	1530	G	S	N	N	X	X	X	X	X	X	8	

180-165688 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _ Date: Time: Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Miranda Stalker	11/20/23/1700	Geosyntec		11-21-23 0920	Fed Ex
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Confirmation COC

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): STANDARD			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-SCV101-0-0.17	11/20/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV101-0.17-1	11/20/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV102-0-0.17	11/20/23	1520	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV-DUP26	11/20/23	–	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV102-0.17-1	11/20/23	1525	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV102-1-2	11/20/23	1530	G	S	N	N	X	X	X	X	X	X							8	

180-165688 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Relinquished by:	11/20/23/1700	Company: Geosyntec	Received by:	11/21/23 0915	Company EQTBe
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 5.0°C

Ver: 01/16/2019

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Sacramento Sample Receiving Notes (SSRN)

Job: 180-165688 Field Sheet

Tracking # : 7741 7449 5511

SO / FO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 410 Corr. Factor: (+ / -) _____ °C

Ice — Wet_____ Gel _____ Other _____

Cooler Custody Seal: 1975574

Cooler ID: _____

Temp Observed: 5.0 °C Corrected: 5.0 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: JF Date: 11/21/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

"Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SO Date: 11/21/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SO Date: 11/21/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-165688-1

Login Number: 165688
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Aron Krasnopoler
Geosyntec Consultants Inc
10211 Wincopin Circle
4th Floor
Columbia, Maryland 21044

Generated 12/18/2023 9:34:41 AM

JOB DESCRIPTION

Former Sperry Remington-Documentation

JOB NUMBER

180-164972-3

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



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Authorized for release by
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Job ID: 180-164972-3 Eurofins Pittsburgh

Job Narrative
180-164972-3

Comments
Samples SSHS-IRM5A2-A8PH4-S30 (180-164972-1), SSHS-IRM5A2-A8PH4-S34 (180-164972-5), and SSHS-IRM5A2-A8PH4-B18 (180-164972-10) underwent the SPLP leaching for PFAS analysis within the holding time prior to the completion of the total PFAS analysis. Due to the level of PFOA and PFOS in the total PFAS analysis of sample SSHS-IRM5A2-A8PH4-S30 (180-164972-1), the SPLP leach was activated for analysis. The PFAS analysis of the SPLP leachates for the other two samples were cancelled.

Receipt
The samples were received on 11/8/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 1.8º C and 3.7º C.

LCMS
Method 537 (modified): The laboratory control sample (LCS) for preparation batch 320-722195 and 320-724749 and analytical batch 320-725658 recovered above the control limits for the following analyte: Perfluorooctanesulfonic acid (PFOS). The original SPLP leachate was re-extracted for PFAS past the holding time. Results of the original and re-extraction are reported for PFOS.

Method 537 (modified): The concentration of PFOS for the following sample exceeded the instrument calibration range (both the original and re-extraction): SSHS-IRM5A2-A8PH4-S30 (180-164972-1). The analyte has been qualified; however, the peak did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Qualifiers

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	12-31-23
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164972-1	SSHS-IRM5A2-A8PH4-S30	Solid	11/07/23 13:45	11/08/23 09:45

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
1312	SPLP Extraction	SW846	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S30
Lab Sample ID: 180-164972-1

Date Collected: 11/07/23 13:45
Matrix: Solid
Date Received: 11/08/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			99.94 g	2000 mL	722195	11/21/23 15:20	GSH	EET SAC
SPLP East	Prep	3535			265.8 mL	10.0 mL	724749	12/04/23 12:54	FXY	EET SAC
SPLP East	Analysis	537 (modified)		1	1 mL	1 mL	725658	12/07/23 14:26	RS1	EET SAC
	Instrument ID: A24									
SPLP East	Leach	1312	RE		99.94 g	2000 mL	727261	11/21/23 15:20	AP	EET SAC
SPLP East	Prep	3535	RE		243.8 mL	10.0 mL	727002	12/12/23 12:31	FXY	EET SAC
SPLP East	Analysis	537 (modified)	RE	1	1 mL	1 mL	727510	12/14/23 22:13	AP1	EET SAC
	Instrument ID: A24									

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Analyst References:

Lab: EET SAC

Batch Type: Leach

AP = Austin Phillips

GSH = Greg Harry

Batch Type: Prep

FXY = Fatimah Yousefi

Batch Type: Analysis

AP1 = Atchara Phanthasen

RS1 = Rungtip Sanjumnai

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S30
Lab Sample ID: 180-164972-1
Date Collected: 11/07/23 13:45
Matrix: Solid
Date Received: 11/08/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**37**		4.7	2.3	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluoropentanoic acid (PFPeA)	**12**		1.9	0.46	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorohexanoic acid (PFHxA)	**12**		1.9	0.55	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluoroheptanoic acid (PFHpA)	**11**		1.9	0.24	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorooctanoic acid (PFOA)	**130**		1.9	0.80	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorononanoic acid (PFNA)	**21**		1.9	0.25	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorodecanoic acid (PFDA)	**1.1**	**J**	1.9	0.29	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.52	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.69	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorobutanesulfonic acid (PFBS)	**0.69**	**J**	1.9	0.19	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorohexanesulfonic acid (PFHxS)	**1.2**	**J**	1.9	0.54	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluoroheptanesulfonic acid (PFHpS)	**3.3**		1.9	0.18	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorooctanesulfonic acid (PFOS)	**1200**	**E *+**	1.9	0.51	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		12/04/23 12:54	12/07/23 14:26	1
Perfluorooctanesulfonamide (FOSA)	**0.98**	**J**	1.9	0.92	ng/L		12/04/23 12:54	12/07/23 14:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.7	1.1	ng/L		12/04/23 12:54	12/07/23 14:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**1.3**	**J**	4.7	1.2	ng/L		12/04/23 12:54	12/07/23 14:26	1
6:2 FTS	ND		4.7	2.4	ng/L		12/04/23 12:54	12/07/23 14:26	1
8:2 FTS	ND		1.9	0.43	ng/L		12/04/23 12:54	12/07/23 14:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C5 PFPeA	*80*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C2 PFHxA	*92*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C4 PFHpA	*111*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C4 PFOA	*96*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C5 PFNA	*93*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C2 PFDA	*97*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C2 PFUnA	*96*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C2 PFDoA	*91*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C2 PFTeDA	*65*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C3 PFBS	*77*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
18O2 PFHxS	*94*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C4 PFOS	*85*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
13C8 FOSA	*83*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
d3-NMeFOSAA	*114*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
M2-6:2 FTS	*134*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*
M2-8:2 FTS	*124*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:26*	*1*

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

Client Sample ID: SSHS-IRM5A2-A8PH4-S30
Lab Sample ID: 180-164972-1
Date Collected: 11/07/23 13:45
Matrix: Solid
Date Received: 11/08/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - SPLP East - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1300	H E	2.1	0.55	ng/L		12/12/23 12:31	12/14/23 22:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*87*		*25 - 150*	*12/12/23 12:31*	*12/14/23 22:13*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-724749/1-A
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724749

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0	2.4	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.73	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.57	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.19	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		12/04/23 12:54	12/07/23 11:32	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.98	ng/L		12/04/23 12:54	12/07/23 11:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	1.2	ng/L		12/04/23 12:54	12/07/23 11:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	1.3	ng/L		12/04/23 12:54	12/07/23 11:32	1
6:2 FTS	ND		5.0	2.5	ng/L		12/04/23 12:54	12/07/23 11:32	1
8:2 FTS	ND		2.0	0.46	ng/L		12/04/23 12:54	12/07/23 11:32	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C5 PFPeA	*100*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C2 PFHxA	*98*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C4 PFHpA	*87*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C4 PFOA	*104*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C5 PFNA	*95*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C2 PFDA	*100*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C2 PFUnA	*93*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C2 PFDoA	*97*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C3 PFBS	*88*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
18O2 PFHxS	*98*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C4 PFOS	*96*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
13C8 FOSA	*81*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
d3-NMeFOSAA	*110*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
d5-NEtFOSAA	*111*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*12/04/23 12:54*	*12/07/23 11:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-724749/2-A
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724749

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	40.4		ng/L		101	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	40.7		ng/L		102	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	44.9		ng/L		112	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	38.5		ng/L		96	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	40.4		ng/L		101	70 - 130
Perfluorononanoic acid (PFNA)	40.0	41.6		ng/L		104	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	44.7		ng/L		112	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	39.0		ng/L		98	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	43.6		ng/L		109	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	38.3		ng/L		96	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	40.0		ng/L		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.5	35.6		ng/L		100	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.9		ng/L		99	59 - 119
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.0		ng/L		100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.2	58.2	*+	ng/L		156	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	32.8		ng/L		85	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	41.3		ng/L		103	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	41.7		ng/L		104	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	42.4		ng/L		106	76 - 136
6:2 FTS	38.1	39.3		ng/L		103	59 - 175
8:2 FTS	38.4	42.1		ng/L		110	75 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*102*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*119*		*25 - 150*
13C4 PFOA	*108*		*25 - 150*
13C5 PFNA	*104*		*25 - 150*
13C2 PFDA	*100*		*25 - 150*
13C2 PFUnA	*103*		*25 - 150*
13C2 PFDoA	*101*		*25 - 150*
13C2 PFTeDA	*91*		*25 - 150*
13C3 PFBS	*99*		*25 - 150*
18O2 PFHxS	*102*		*25 - 150*
13C4 PFOS	*107*		*25 - 150*
13C8 FOSA	*90*		*25 - 150*
d3-NMeFOSAA	*116*		*25 - 150*
d5-NEtFOSAA	*110*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-724749/2-A
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724749

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	128		25 - 150
M2-8:2 FTS	104		25 - 150

Lab Sample ID: LCSD 320-724749/3-A
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 724749

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	38.9		ng/L		97	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)			40.0	37.2		ng/L		93	71 - 131	9	30
Perfluorohexanoic acid (PFHxA)			40.0	43.1		ng/L		108	73 - 133	4	30
Perfluoroheptanoic acid (PFHpA)			40.0	41.4		ng/L		103	72 - 132	7	30
Perfluorooctanoic acid (PFOA)			40.0	38.7		ng/L		97	70 - 130	4	30
Perfluorononanoic acid (PFNA)			40.0	42.5		ng/L		106	75 - 135	2	30
Perfluorodecanoic acid (PFDA)			40.0	39.2		ng/L		98	76 - 136	13	30
Perfluoroundecanoic acid (PFUnA)			40.0	39.9		ng/L		100	68 - 128	2	30
Perfluorododecanoic acid (PFDoA)			40.0	37.7		ng/L		94	71 - 131	14	30
Perfluorotridecanoic acid (PFTriA)			40.0	37.7		ng/L		94	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)			40.0	37.0		ng/L		92	70 - 130	8	30
Perfluorobutanesulfonic acid (PFBS)			35.5	35.0		ng/L		99	67 - 127	1	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	35.3		ng/L		97	59 - 119	2	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	37.9		ng/L		99	76 - 136	0	30
Perfluorooctanesulfonic acid (PFOS)			37.2	43.9		ng/L		118	70 - 130	28	30
Perfluorodecanesulfonic acid (PFDS)			38.6	37.6		ng/L		98	71 - 131	14	30
Perfluorooctanesulfonamide (FOSA)			40.0	38.8		ng/L		97	73 - 133	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			40.0	40.2		ng/L		101	76 - 136	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			40.0	40.4		ng/L		101	76 - 136	5	30
6:2 FTS			38.1	39.3		ng/L		103	59 - 175	0	30
8:2 FTS			38.4	45.5		ng/L		118	75 - 135	8	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	108		25 - 150
13C5 PFPeA	105		25 - 150
13C2 PFHxA	101		25 - 150
13C4 PFHpA	108		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	101		25 - 150
13C2 PFDoA	102		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-724749/3-A
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 724749

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	101		25 - 150
13C3 PFBS	96		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	116		25 - 150
d5-NEtFOSAA	112		25 - 150
M2-6:2 FTS	124		25 - 150
M2-8:2 FTS	104		25 - 150

Lab Sample ID: MB 320-727002/1-A
Matrix: Solid
Analysis Batch: 727510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 727002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		12/12/23 12:31	12/14/23 21:32	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	94		25 - 150	12/12/23 12:31	12/14/23 21:32	1

Lab Sample ID: LCS 320-727002/2-A
Matrix: Solid
Analysis Batch: 727510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 727002

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorooctanesulfonic acid (PFOS)			37.2	37.8		ng/L		102	70 - 130		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFOS	97		25 - 150

Lab Sample ID: LCSD 320-727002/3-A
Matrix: Solid
Analysis Batch: 727510

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 727002

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)			37.2	35.9		ng/L		97	70 - 130	5	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFOS	96		25 - 150

Lab Sample ID: LB 320-722195/1-B
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 724749

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6	2.2	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.45	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.53	ng/L		12/04/23 12:54	12/07/23 14:16	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LB 320-722195/1-B
Matrix: Solid
Analysis Batch: 725658

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 724749

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.23	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.78	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.25	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.29	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	1.0	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.51	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.67	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.18	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.52	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.17	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorooctanesulfonic acid (PFOS)	ND	*+	1.8	0.50	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		12/04/23 12:54	12/07/23 14:16	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8	0.90	ng/L		12/04/23 12:54	12/07/23 14:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	1.1	ng/L		12/04/23 12:54	12/07/23 14:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	1.2	ng/L		12/04/23 12:54	12/07/23 14:16	1
6:2 FTS	ND		4.6	2.3	ng/L		12/04/23 12:54	12/07/23 14:16	1
8:2 FTS	ND		1.8	0.42	ng/L		12/04/23 12:54	12/07/23 14:16	1

Isotope Dilution	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C5 PFPeA	*89*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C2 PFHxA	*89*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C4 PFHpA	*105*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C4 PFOA	*98*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C5 PFNA	*98*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C2 PFDA	*98*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C2 PFUnA	*96*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C2 PFDoA	*97*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C3 PFBS	*84*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
18O2 PFHxS	*96*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C4 PFOS	*92*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
13C8 FOSA	*81*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
d3-NMeFOSAA	*110*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
M2-6:2 FTS	*104*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*
M2-8:2 FTS	*108*		*25 - 150*	*12/04/23 12:54*	*12/07/23 14:16*	*1*

Lab Sample ID: LB 320-727261/1-B
Matrix: Solid
Analysis Batch: 727510

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 727002

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.49	ng/L		12/12/23 12:31	12/14/23 22:03	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	100		25 - 150	12/12/23 12:31	12/14/23 22:03	1

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-164972-3
Project/Site: Former Sperry Remington-Documentation

LCMS

Leach Batch: 722195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1	SSHS-IRM5A2-A8PH4-S30	SPLP East	Solid	1312	
LB 320-722195/1-B	Method Blank	SPLP East	Solid	1312	

Prep Batch: 724749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1	SSHS-IRM5A2-A8PH4-S30	SPLP East	Solid	3535	722195
LB 320-722195/1-B	Method Blank	SPLP East	Solid	3535	722195
MB 320-724749/1-A	Method Blank	Total/NA	Solid	3535	
LCS 320-724749/2-A	Lab Control Sample	Total/NA	Solid	3535	
LCSD 320-724749/3-A	Lab Control Sample Dup	Total/NA	Solid	3535	

Analysis Batch: 725658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1	SSHS-IRM5A2-A8PH4-S30	SPLP East	Solid	537 (modified)	724749
LB 320-722195/1-B	Method Blank	SPLP East	Solid	537 (modified)	724749
MB 320-724749/1-A	Method Blank	Total/NA	Solid	537 (modified)	724749
LCS 320-724749/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	724749
LCSD 320-724749/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	724749

Prep Batch: 727002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1 - RE	SSHS-IRM5A2-A8PH4-S30	SPLP East	Solid	3535	727261
LB 320-727261/1-B	Method Blank	SPLP East	Solid	3535	727261
MB 320-727002/1-A	Method Blank	Total/NA	Solid	3535	
LCS 320-727002/2-A	Lab Control Sample	Total/NA	Solid	3535	
LCSD 320-727002/3-A	Lab Control Sample Dup	Total/NA	Solid	3535	

Leach Batch: 727261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1 - RE	SSHS-IRM5A2-A8PH4-S30	SPLP East	Solid	1312	
LB 320-727261/1-B	Method Blank	SPLP East	Solid	1312	

Analysis Batch: 727510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164972-1 - RE	SSHS-IRM5A2-A8PH4-S30	SPLP East	Solid	537 (modified)	727002
LB 320-727261/1-B	Method Blank	SPLP East	Solid	537 (modified)	727002
MB 320-727002/1-A	Method Blank	Total/NA	Solid	537 (modified)	727002
LCS 320-727002/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	727002
LCSD 320-727002/3-A	Lab Control Sample Dup	Total/NA	Solid	537 (modified)	727002

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:	Analysis Requested
City: Columbia	TAT Requested (days): Standard	
State, Zip: MD, 21044	PO #: MN0832I	
Phone: 40-381-4333	WO #:	
Email: akrasnopoler@geosyntec.com	Project #: 18013464	
Project Name: Former Sperry Remington Site	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH4-S30	11/7/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S31	11/7/23	1350	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S32	11/7/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S33	11/7/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S34	11/7/23	1405	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S35	11/7/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B16	11/7/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP328	11/7/23	-	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B17	11/7/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B18	11/7/23	1425	G	S	N	N	X	X	X	X	X	X							8	

180-164972 Chain of Custody

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Zach Miller	Date/Time: 11/7/23 15:30	Company: Geosyntec	Received by:	Date/Time: 11-8-23 0945	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

12/18/2023

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

Documentation COC1

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Client Information	Sampler: Z Miller	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9658.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

180-164972 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
NaHSO4	Q - Na2SO3
MeOH	R - Na2S2O3
Amchlor	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH4-S30	11/7/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S31	11/7/23	1350	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S32	11/7/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S33	11/7/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-S34	11/7/23	1405	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH4-S35	11/7/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B16	11/7/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP328	11/7/23	-	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B17	11/7/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH4-B18	11/7/23	1425	G	S	N	N	X	X	X	X	X	X							8	

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Zach Miller	11/7/23 15:30	Company: Geosyntec		11/9/23 0930	GEOSYN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: 1975576 | Cooler Temperature(s) °C and Other Remarks: 3.7

Ver: 01/16/2019

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

180-164972 Field Sheet

Tracking # : 7740 0346 9060

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 102 Corr. Factor: (+ / -) _____ °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 1975576

Cooler ID: _____

Temp Observed: 3.7 °C Corrected: 3.7 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: MV Date: 11/8/23

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☐	☑
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☑	☐	☐
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SD Date: 11/8/23

Notes: _____

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☐	☐	☑
Samples received within hold time?	☐	☐	☑
Log Release checked in TALS?	☐	☐	☑

Initials: SD Date: 11/8/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164972-3

Login Number: 164972
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-164972-3

Login Number: 164972
List Number: 2
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento
List Creation: 11/08/23 04:46 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1975576
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	